

Form 4-683  
(January 1963)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Mineral Survey number

4732 A & B

State

Arizona

Land District

Arizona

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

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79999

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

Emerald Isle Group

CONSISTING OF LOCATIONS NAMED AND LOCATED AS FOLLOWS

NAME OF LOCATION	DATE	
	LOCATED	AMENDED
Valley Copper No 2	12-28-59	
Valley Copper No. 3	4-26-66	
Valley Copper No 1	8-10-65	
Hermes	6-15-07	9-4-65
Hermes No. 2	1-12-08	9-4-65
Jimtown Copper No. 1	7-10-15	9-4-65
Copper Hill No. 2	5-10-18	9-4-65
Copper Hill Mill Site No. 1	12-18-72	
Copper Hill Mill Site No. 2	12-18-72	
Copper Hill Mill Site No. 3	12-18-72	
Copper Hill Mill Site No. 4	12-18-72	
Copper Hill Mill Site No. 5	12-18-72	
Copper Hill Mill Site No. 6	12-18-72	
Copper Hill Mill Site No. 7	12-18-72	
Copper Hill Mill Site No. 8	12-18-72	
Copper Hill Mill Site No. 9	12-18-72	
Copper Hill Mill Site No. 10	12-18-72	
Copper Hill Mill Site No. 11	12-18-72	
Copper Hill Mill Site No. 12	12-18-72	
Hermes Mill Site No. 13	12-18-72	
Copper Hill No. 1 Mill Site 14	12-18-72	
Copper Hill No. 1 Mill Site No. 15	12-18-72	

Mining district			County	
Wallapai			Mohave	
Section	Township	Range	Meridian	Survey under order dated
22&27	23 North	18 West	Gila & Salt River	Jan. 23, 1973
Survey commenced		Survey completed		Name of Mineral Surveyor
Feb. 5, 1973		June 15, 1973		Robert Lenon



FEET

This survey was made with a Bausch and Lomb Precise Transit, No. 9259, with horizontal limb 5-1/2 ins. diam., having two single opposite verniers, and full vertical circle 4-1/4 ins. diam., having two double opposite verniers, all verniers reading to one minute of arc; the instrument was in good condition at the time of the survey and all adjustments were in good order. The eyepiece is equipped with a colored glass set in the dust shutter for making direct observations upon the sun.

All azimuths in this record were determined by the method of double horizontal angles referred to the meridian determined by the following observations:

June 13, 1973, at Cor. No. 2 of the Copper Hill No. 2 lode, in latitude 35°21'45" N., and longitude 114°12' W., I make a series of four altitude observations upon the sun for azimuth at approximately equal time-intervals, two each with the telescope in direct and reversed positions, observing opposite limbs of the sun, and reading the horizontal angles counterclockwise from Cor. No. 3 of the Copper Hill No. 2 lode, 1495 ft. NE'ly, W'ly to the sun.

(1) (2)

Mean time of observation, 105th meridian standard time: 4<sup>h</sup>27<sup>m</sup> p.m. 4<sup>h</sup>34<sup>m</sup> p.m.

Declination of sun at mean time of observation: 23°14'45" N.

Mean observed vertical angles to sun's center: 38°26'00" 37°36'30"

Mean horizontal angles from reference point to sun's center: 129°52' 129°20'

True bearing to reference point: N. 43°00'50" E.

The lines were measured with a Lufkin steel tape, 500 feet in length, graduated every foot, with the end feet graduated to tenths and hundredths; and a Chicago steel tape, 300 feet in length, graduated every foot, with the end feet graduated to tenths; both tapes were compared with a Lufkin standard at the time of beginning the survey and found correct.

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

The magnetic declination observed at each corner of the survey gave a uniform value of 14°30' E.

SURVEY No. 4732A

Valley Copper No 1 LODE

At Cor. No. 1 of the Valley Copper No 1 lode, identical with Cor. No. 1 of the Jimtown Copper No. 1 lode of this survey, being also identical with the W'most cor. of the Jimtown Copper No.2 lode, unsurveyed.

FEET		
	Set an iron pin, 5/8 ins. diam., 24 ins. long, 18 ins. in the ground, with stone mound along side, with aluminum cap mkd. X-VC1-1-JC1-1-4732A-JC2-W; from which	
	The 1/4 sec. cor. common to secs. 22 and 27, T. 23 N., R. 18 W., G. & S.R.M., Mohave County, Arizona, bears N. 36°15'10" W., 364.90 ft. dist., a G.L.O. brass cap, firmly set and properly marked, as described in the official record.	
	Thence S. 43°00'50" W.	
300.00	Lode line; discovery point bears N. 46°46'30" W. 1450. ft. dist.	
600.00	Cor. No. 2.	
	Set an iron pin, 5/8 ins. diam., 24 ins. long, 18 ins. in the ground, with stone mound along side, with aluminum cap mkd. X-VC1-2-4732A.	
	Thence N. 46°46'30" W.	
250.	Road, 20 ft. wide; bears N. 15° E. and S. 15° W.	
300.	Road, 20 ft. wide; bears N. 45° E. and S. 45° W.	
410.	Gulch, 2 ft. wide; course S. 60° W.	
496.	Gulch, 5 ft. wide; course S. 70° W.	
608.	Gulch, 10 ft. wide; course S. 75° W.	
663.	Gulch, 5 ft. wide; course S. 70° W.	
730.	Road, 20 ft. wide; bears S. 80° W. and N. 80° E.	
860.	Gulch, 10 ft. wide; course S. 70° W.	
943.	Road, 10 ft. wide; bears S. 20° E. and N. 20° W.	
990.	Gulch, 30 ft. wide; course S. 75° W.	
1110.	Gulch, 3 ft. wide; course S. 65° W.	
1127.17	Intersect the line common to secs. 22 and 27 at a point from which the 1/4 sec. cor. common to secs. 22 and 27 bears S. 87°48' E., 1015.61 ft. dist., previously described.	
1140.	Enter large wash, left bank, course S. 75° W.	
1247.	Leave large wash, right bank, course S. 50° W.	
1365.	Gulch, 6 ft. wide; course S. 50° W.	
1500.00	Cor. No. 3, on line 1-2 of the Valley Copper No. 3 lode of this survey.	
	Set an iron pin, 5/8 ins. diam., 24 ins. long, 18 ins. in the ground, with stone mound along side, with aluminum cap mkd. X-VC1-3-VC3-4732A.	
	Thence N. 43°00'50" E.	

FEET	
45.	Gulch, 10 ft. wide; course S. 75° W.
300.00	Lode line; discovery point bears S. 46°46'30" E., 50 ft. dist., and Cor. No. 1 of the Copper Hill No. 2, on line 1-2 of the Valley Copper No. 3, lodes, of this survey.
310.00	Cor. No. 1, of the Valley Copper No. 3, on line 4-1 of the Copper Hill No. 2, lodes of this survey.
600.00	Cor. No. 4, identical with Cor. No. 2 of the Jimtown Copper No. 1, and on line 4-1 of the Copper Hill No. 2, lodes of this survey.
	Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, with stone mound alongside, with aluminum cap mkd. X-VCL-4-CH2-JC1-2-4732A.
	Thence S. 46°46'30" E.
70.	Gulch, 3 ft. wide; course S. 30° W.
265.	Gulch, 2 ft. wide; course S. 50° W.
280.	Enter waste dump, toe bears N. 50° E. and S. 30° W.
1050.	Leave waste dump, toe bears East and West.
1060.	Gulch, 6 ft. wide; course S. 70° W.
1064.65	Intersect the line common to secs. 22 and 27 at a point from which the 1/4 sec. cor. common to secs. 22 and 27 bears S. 87°48' E., 101.52 ft. dist., previously described.
1195.	Road, 20 ft. wide; bears S. 80° W. and N. 80° E.
1220.	Gulch, 3 ft. wide; course S. 80° W.
1310.	Gulch, 3 ft. wide; course S. 60° W.
1460.	Gulch, 3 ft. wide; course West.
1500.00	Cor. No. 1, and place of beginning.
Jimtown Copper No. 1 LODE	
	Beginning at Cor. No. 1 of the Jimtown Copper No. 1 lode, identical with Cor. No. 1 of the Valley Copper No 1 lode of this survey, being also identical with the W'most cor. of the Jimtown Copper No. 2 lode, unsurveyed, previously described, from which
	The 1/4 sec. cor. common to secs. 22 and 27 bears N. 36°15'10" W., 364.90 ft. dist., previously described.
	Thence N. 46°46'30" W.
40.	Gulch, 3 ft. wide; course West.
190.	Gulch, 3 ft. wide; course S. 60° W.
280.	Gulch, 3 ft. wide; course S. 80° W.

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FEET	
305.	Road, 20 ft. wide; bears S. 80° W. and N. 80° E.
435.35	Intersect the line common to secs. 22 and 27 at a point from which the 1/4 sec. cor. common to secs. 22 and 27 bears S. 87°48' E., 101.52 ft. dist., previously described.
440.	Gulch, 6 ft. wide; course S. 70° W.
450.	Enter waste dump, toe bears East and West.
1220.	Leave waste dump, toe bears N. 50° E. and S. 30° W.
1235.	Gulch, 2 ft. wide; course S. 50° W.
1430.	Gulch, 3 ft. wide; course S. 30° W.
1500.00	Cor. No. 2, identical with Cor. No. 4 of the Valley Copper No. 1 lode, and on line 4-1 of the Copper Hill No. 2 lode, respectively, of this survey, previously described.
	Thence N. 43°00'50" E.
218.	Gulch, 3 ft. wide; course S. 15° W.
300.00	Lode line; discovery point bears S. 46°46'30" E., 1400 ft. dist.
595.00	Cor. No. 3, identical with Cor. No. 2 of the Hermes No. 2 lode and on line 4-1 of the Copper Hill No. 2 lode of this survey.
	Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, with stone mound alongside, with aluminum cap mkd. X-JC1-3-CH2-H2-2-4732A.
	Thence S. 46°46'30" E.
280.	Enter waste dump, toe bears N. 20° E. and S. 20° W.
349.	Road, 20 ft. wide; bears N. 15° E. and S. 15° W.
361.	Enter open pit, bears N. 25° E. and S. 25° W.
1158.	Leave open pit, bears N. 65° E. and S. 65° W.
1350.	Leave waste dump, toe bears N. 45° E. and S. 45° W.
1500.00	Cor. No. 4, identical with Cor. No. 1 of the Hermes No. 2 lode of this survey, being also identical with the N' most cor. of the Jimtown Copper No. 2 lode, unsurveyed.
	Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, with stone mound alongside, with aluminum cap mkd. X-JC1-4-H2-1-4732A-JC2-1.
	Thence S. 43°00'50" W.
140.	Gulch, 10 ft. wide; course West.

FEET	
217.43	Intersect the line common to secs. 22 and 27 at a point from which the 1/4 sec. cor. common to secs. 22 and 27 bears N. 87°48' W., 473.70 ft. dist., previously described.
225.	Road, 20 ft. wide; bears S. 80° W. and N. 80° E.
295.00	Lode line; discovery point bears N. 46°46'30" W., 100 ft. dist.
320.	Gulch, 6 ft. wide; course N. 80° W.
365.	Road, 20 ft. wide; bears N. 15° E. and S. 15° W.
545.	Gulch, 3 ft. wide; course West.
595.00	Cor. No. 1, and place of beginning.
Hermes No. 2 LODE	
Beginning at Cor. No. 1 of the Hermes No. 2 lode, identical with Cor. No. 4 of the Jimtown Copper No. 1 lode of this survey, and with the N'most cor. of the Jimtown Copper No. 2 lode, unsurveyed, previously described, from which	
The 1/4 sec. cor. common to secs. 22 and 27 bears S. 77°14'20" W., 637.42 ft. dist., previously described.	
Thence N. 46°46'30" W.	
150.	Enter waste dump, toe bears N. 45° E. and S. 45° W.
342.	Enter open pit, bears N. 65° E. and S. 65° W.
1139.	Leave open pit, bears N. 25° E. and S. 25° W.
1151.	Road, 20 ft. wide; bears N. 15° E. and S. 15° W.
1220.	Leave waste dump, toe bears N. 20° E. and S. 20° W.
1500.00	Cor. No. 2, identical with Cor. No. 3 of the Jimtown Copper No. 1 lode, and on line 4-1 of the Copper Hill No. 2 lode, respectively, of this survey, previously described.
Thence N. 43°00'50" E.	
188.	Telephone line, on wooden poles, bears N. 72° W. and S. 72° E.
300.00	Lode line; discovery point bears S. 46°46'30" E., 1400 ft. dist.
440.	Enter waste dump, toe bears N. 10° E. and S. 10° W.
520.	Enter mine yard.
600.00	Cor. No. 3, identical with Cor. No. 4 of the Copper Hill No. 2 lode and on line 1-2 of the Copper Hill No. 1 Mill Site 14 respectively, of this survey.

FEET	
	Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, with stone mound alongside, with aluminum cap mkd. X-H2-3-CH2-4-CH1MS14-4732A&B. Thence S. 46°46'30" E.
29.00	Cor. Nos. 1 and 2, of the Copper Hill No. 1 Mill Site No. 14 and Hermes Mill Site No. 13, respectively, of this survey.
188.	Enter mill building.
312.	Leave mill building.
359.00	Cor. No. 1, of the Hermes Mill Site No. 13, identical with Cor. No. 2 of the Hermes lode of this survey, being also identical with the S. most cor. of the Copper Hill No. 1 lode, unsurveyed.
420.	Leave mine yard.
1033.	Road, 20 ft. wide; bears N. 45° E. and S. 45° W.
1290.	Road, 20 ft. wide; bears East and West.
1500.00	Cor. No. 4, on line 1-2 of the Hermes lode, of this survey. Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, with stone mound alongside, with aluminum cap mkd. X-H2-4-H-4732A. Thence S. 43°00'50" W.
300.00	Lode line; discovery point bears N. 46°46'30" W., 100 ft. dist.
600.00	Cor. No. 1, and place of beginning.
HERMES LODE	
	At Cor. No. 1 of the Hermes lode. Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, with stone mound alongside, with aluminum cap mkd. X-H-1-4732A; from which The 1/4 sec. cor. common to secs. 22 and 27 bears S. 75°31'20" W., 1334.55 ft. dist., previously described. Thence N. 46°46'30" W.
359.00	Cor. No. 4, of the Hermes No. 2 lode of this survey, previously described.
569.	Road, 20 ft. wide; bears East and West.
826.	Road, 20 ft. wide; bears N. 45° E. and S. 45° W.
1439.	Enter mine yard.



FEET	
1500.00	Cor. No. 2, identical with Cor. No. 1 of the Hermes Mill Site No. 13 of this survey, being also identical with the S'most cor. of the Copper Hill No. 1 lode, unsurveyed.
	Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, with stone mound alongside, with aluminum cap mkd. X-H-2-H2-HMS13-1-4732A&B-CHL-S.
	Thence N. 43°13'30" E.
110.	Leave mine yard.
185.	Road, 30 ft. wide; bears N. 50° W. and S. 50° E.
290.	Road, 20 ft. wide; bears N. 80° W. and S. 80° E.
300.00	Lode line; discovery point bears S. 46°46'30" E., 1400 ft. dist.
600.00	Cor. No. 3, identical with Cor. Nos. 4, 1 and 1 of the Hermes Mill Site No. 13, Copper Hill Mill Site No. 2, and Copper Hill Mill Site No. 1, respectively, of this survey, being also identical with the E'most cor. of the Copper Hill No. 1 lode, unsurveyed.
	Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, with stone mound alongside, with aluminum cap mkd. X-H-3-HMS13-4-CHMS2-1-CHMS1-1-4732A&B-CHL-E.
	Thence S. 46°46'30" E.
20.	Road, 20 ft. wide; bears S. 50° W. and N. 50° E.
165.00	Cor. No. 4, of the Copper Hill Mill Site No. 1 of this survey, being also identical with the W'most cor. of the F.D.R. lode, unsurveyed.
370.	Enter mine yard.
650.	Leave mine yard.
1500.00	Cor. No. 4.
	Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, with stone mound alongside, with aluminum cap mkd. X-H-4-4732A.
	Thence S. 43°13'30" W.
300.00	Lode line; discovery point bears N. 46°46'30" W., 100 ft. dist.
350.	Enter channel of gulch, on right bank; 40 ft. wide, course West.
396.	Leave channel of gulch, on left bank; 40 ft. wide, course West.
460.	Road, 10 ft. wide; bears East and N. 70° W.
570.	Road, 20 ft. wide; bears N. 45° W. and S. 45° E.

FEET	
600.00	Cor. No. 1, and place of beginning.
	Copper Hill No. 2 LODE
	At Cor. No. 1 of the Copper Hill No. 2 lode, on line 3-4 of the Valley Copper No 1 and on line 1-2 of the Valley Copper No. 3 lodes of this survey.
	Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, with stone mound alongside with aluminum cap mkd. X-CH2-1-VCL-VC3-4732A; from which
	The 1/4 sec. cor. common to secs. 22 and 27 bears S. 64°36' E., 1197.62 ft. dist., previously described.
	Thence N. 46°46'30" W.
300.00	Lode line; discovery point bears N. 43°00'50" E., 1395 ft. dist.
405.	Telephone line, on wooden poles, bears N. 62° E. and S. 62° W.
600.00	Cor. No. 2, identical with Cor. No. 1 of the Valley Copper No. 2 lode of this survey.
	Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, with stone mound alongside, with aluminum cap mkd. X-CH2-2-VC2-1-4732A.
	Thence N. 43°00'50" E.
5.00	Intersect line 4-1 Valley Copper No. 3 lode of this survey.
725.	Road, 30 ft. wide; bears N. 48° E. and S. 48° W.
1495.00	Cor. No. 3, identical with Cor. No. 4 of the Valley Copper No. 2 lode, and on line 1-2 of the Copper Hill No. 1 Mill Site No. 15, of this survey.
	Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, with stone mound alongside with aluminum cap mkd. X-CH2-3-VC2-4-CH1MS15-4732A&B.
	Thence S. 46°46'30" E.
52.	Road, 30 ft. wide; bears N. 45° E. and S. 45° W.
268.	Gulch, 2 ft. wide; course S. 15° W.
299.00	Cor. Nos. 1 and 2, of the Copper Hill No. 1 Mill Site No. 15 and Copper Hill No. 1 Mill Site 14 respectively, of this survey.
300.00	Lode line; discovery point bears S. 43°00'50" W., 100 ft. dist.
520.	Enter waste dump, toe bears N. 20° E. and S. 20° W.

FEET	
560.	Enter mine yard.
600.00	Cor. No. 4, identical with Cor. No. 3 of the Hermes No. 2 lode, and on line 1-2 of the Copper Hill No. 1 Mill Site 14 of this survey, previously described. Thence S. 43°00'50" W.
80.	Leave mine yard.
160.	Leave waste dump, toe bears N. 10° E. and S. 10° W.
412.	Telephone line, on wooden poles, bears N. 72° W. and S. 72° E.
600.00	Cor. Nos. 2 and 3, of the Hermes No. 2 and Jimtown Copper No. 1 lodes, respectively, of this survey, previously described.
977.	Gulch, 3 ft. wide; course S. 15° W.
1195.00	Cor. Nos. 2 and 4, of the Jimtown Copper No. 1 and Valley Copper No 1 lodes, respectively, of this survey, previously described.
1485.00	Cor. No. 1, of the Valley Copper No. 3 and on line 3-4 of the Valley Copper No 1 lodes of this survey.
1495.00	Cor. No. 1, and place of beginning.
Valley Copper No. 3 LODE	
At Cor. No. 1 of the Valley Copper No. 3 lode, on line 3-4 of the Valley Copper No 1 and line 4-1 of the Copper Hill No. 2 lodes of this survey.	
Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, with stone mound alongside, with aluminum cap mkd. X-VC3-1-CH2-VC1-4732A; from which	
The 1/4 sec. cor. common to Secs. 22 and 27 bears S. 64°08'40" E., 1194.63 ft. dist., previously described.	
Thence S. 43°00'50" W.	
10.00	Cor. No. 1, of the Copper Hill No. 2 on line 3-4 of the Valley Copper No 1 lodes of this survey, previously described.
265.	Gulch, 10 ft. wide; course S. 75° W.
300.00	Lode line; discovery point bears N. 46°46'30" W., 100 ft. dist.
310.00	Cor. No. 3, of the Valley Copper No 1 lode of this survey, previously described.
540.	Gulch, 10 ft. wide; course S. 60° W. to this point, and S. 80° W. below this point.
570.	Gulch, 6 ft. wide; course S. 75° W. to this point, and West below this point.

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FEET	
600.00	<p>Cor. No. 2, being also identical with the E'most cor. of the Valley Copper No. 4 lode, unsurveyed.</p> <p>Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, with stone mound alongside, with aluminum cap mkd. X-VC3-2-4732A-VC4-E</p> <p>Thence N. 47°15'10" W.</p>
34.	Gulch, 15 ft. wide; course S. 75° W.
145.	Gulch, 20 ft. wide; course S. 50° W.
566.	Gulch, 8 ft. wide; course S. 50° W.
600.	<p>Telephone line, on wooden poles, bears N. 62° E. and S. 62° W.</p>
720.	<p>Water line, 6 ins. diam., steel, bears N. 50° E. and S. 50° W.</p>
853.	Road, 30 ft. wide; bears N. 45° E. and S. 45° W.
916.	Road, 30 ft. wide; bears N. 70° E. and S. 70° W.
1200.00	<p>Cor. No. 3, being also identical with the N'most cor. of the Valley Copper No. 4 lode, unsurveyed.</p> <p>Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, with stone mound alongside, with aluminum cap mkd. X-VC3-3-4732A-VC4-N.</p> <p>Thence N. 43°00'50" E.</p>
300.00	<p>Lode line; discovery point bears S. 46°46'30" E., 1100 ft. dist.</p>
365.	Gulch, 2 ft. wide; course S. 80° W.
550.	Gulch, 15 ft. wide; course S. 65° W.
600.00	<p>Cor. No. 4, identical with Cor. No. 2 of the Valley Copper No 2 lode of this survey.</p> <p>Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, with stone mound alongside, with aluminum cap mkd. X-VC3-4-VC2-2-4732A.</p> <p>Thence S. 47°15'10" E.</p>
60.	<p>Gulch, 6 ft. wide; course S. 40° W. to this point and S. 65° W. below this point.</p>
90.	<p>Gulch, 2 ft. wide; course S. 40° W. to this point, and S. 65° W. below this point.</p>
477.	Road, 30 ft. wide; bears N. 57° E. and S. 57° W.
511.	<p>Water line, 6 ins. diam., steel, bears N. 57° E. and S. 57° W.</p>

FEET	
600.00	Intersect line 4-1 of the Valley Copper No 2 lode, identical with line 2-3 of the Copper Hill No. 2 lode, both of this survey.
800.00	Telephone line; on wooden poles, bears N. 62° E. and S. 62° W.
1200.00	Cor. No. 1, and place of beginning.
Valley Copper No 2 LODE	
	Beginning at Cor. No. 1 of the Valley Copper No 2 lode, identical with Cor. No. 2 of the Copper Hill No. 2 lode of this survey, previously described, from which
	The 1/4 sec. cor. common to secs. 22 and 27 bears S. 58°40'20" E., 1778.32 ft. dist., previously described.
	Thence N. 46°46'30" W.
90.	Water line, 6 ins. diam., steel, bears N. 57° E. and S. 57° W.
125.	Road, 30 ft. wide; bears N. 57° E. and S. 57° W.
300.00	Lode line; discovery point bears N. 43°00'50" E., 100 ft. dist.
510.	Gulch, 2 ft. wide; course S. 40° W. to this point, and S. 65° W. below this point.
540.	Gulch, 6 ft. wide; course S. 40° W. to this point, and S. 65° W. below this point.
600.00	Cor. No. 2, identical with Cor. No. 4 of the Valley Copper No. 3 lode of this survey, previously described.
	Thence N. 43°00'50" E.
87.	Gulch, 3 ft. wide; course S. 85° W.
115.	Gulch, 10 ft. wide; course N. 60° W.
320.	Gulch, 10 ft. wide; course S. 65° W.
409.	Gulch, 3 ft. wide; course N. 85° W.
492.	Gulch, 6 ft. wide; course S. 25° W.
544.	Gulch, 3 ft. wide; course S. 50° W. to this point, and S. 50° W. below this point.
1200.	Gulch, 20 ft. wide; course South to this point, and S. 20° W. below this point.
1495.00	Cor. No. 3.
	Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, with stone mound alongside, with aluminum cap mkd. X-VC2-3-4732A.
	Thence S. 46°46'30" E.

FEET	
59.00	The W'most cor. of the Copper Hill No. 1 lode, unsurveyed. Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, with stone mound alongside, with aluminum cap mkd. X-VC2-4732A-CH1-W.
300.00	Lode line; discovery point bears S. 43°00'50" W., 1395 ft. dist.
385.	Gulch, 20-ft. wide; course S. 30° W.
460.	Gulch, 3 ft. wide; course S. 47° W.
569.00	Cor. No. 2, of the Copper Hill No. 1 Mill Site No. 15 of this survey.
582.	Water line, 6 ins. diam., steel, bears S. 48° W. and N. 48° E.
600.00	Cor., No. 4, identical with Cor. No. 3 of the Copper Hill No. 2 lode, and on line 1-2 of the Copper Hill No. 1 Mill Site No. 15 of this survey, previously described.  Thence S. 43°00'50" W.
770.	Road, 30 ft. wide; bears N. 48° E. and S. 48° W.
1490.00	Intersect line 4-1 of the Valley Copper No. 3 lode of this survey.
1495.00	Cor. No. 1, and place of beginning.
SURVEY No. 4732B	
Hermes Mill Site No. 13	
Beginning at Cor. No. 1 of the Hermes Mill Site No. 13, identical with Cor. No. 2 of the Hermes, and on line 3-4 of the Hermes No. 2 lodes of this survey, being also identical with the S'most cor. of the Copper Hill No. 1 lode, unsurveyed, previously described, from which	
The 1/4 sec. cor. common to secs. 22 and 27 bears S. 8°20'40" W., 1375.49 ft. dist., previously described.	
Thence N. 46°46'30" W.	
47.	Enter mill building.
171.	Leave mill building.
330.00	Cor. No. 2, identical with Cor. No. 1 of the Copper Hill No. 1 Mill Site 14, and on line 3-4 of the Hermes No. 2 lode of this survey.
Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, with stone mound alongside, with aluminum cap mkd. X-HMS13-2-H2-CH1MS14-1-4732A&B.	
Thence N. 43°13'30" E.	

SURVEY No. 4732B

FEET	
105.	Leave mine yard, enter tailing pile, bears S. 85° E. and N. 85° W.
600.00	Cor. No. 3, identical with Cor. Nos. 4, 1 and 1 of the Copper Hill No. 1 Mill Site 14, Copper Hill Mill Site No. 4, and Copper Hill Mill Site No. 3, respectively, of this survey.
	Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, with stone mound alongside, with aluminum cap mkd. X-HMS13-3-CHMS14-4-CHMS4-1-CHMS3-1-4732B.
	Thence S. 46°46'30" E.
165.00	Cor. Nos. 4 and 2 of the Copper Hill Mill Site No. 3 and Copper Hill Mill Site No. 2, respectively, of this survey.
200.	Dike, 20 ft. wide; course N. 45° E. and S. 45° W. leave tailing pile, bearing same.
330.00	Cor. No. 4, identical with Cor. Nos. 1, 1 and 3 of the Copper Hill Mill Site No. 2, Copper Hill Mill Site No. 1 and Hermes lode, respectively, of this survey, being also identical with the E' most cor. of the Copper Hill No. 1 lode, unsurveyed, previously described. Thence S. 43°13'30" W.
310.	Road, 20 ft. wide; bears N. 80° W. and S. 80° E.
415.	Road, 30 ft. wide; bears N. 50° W. and S. 50° E.
490.	Enter mine yard.
600.00	Cor. No. 1, and place of beginning.
Copper Hill No. 1 Mill Site 14	
Beginning at Cor. No. 1 of the Copper Hill No. 1 Mill Site 14, identical with Cor. No. 2 of the Hermes Mill Site No. 13, and on line 3-4 of the Hermes No. 2 lode of this survey, previously described, from which	
The 1/4 sec. cor. common to secs. 22 and 27 bears S. 1°28'30" E., 1587.47 ft. dist., previously described.	
Thence N. 46°46'30" W.	
29.00	Cor. Nos. 3 and 4 of the Hermes No. 2 and the Copper Hill No. 2 lodes, respectively, of this survey, previously described.
69.	Leave mine yard.
109.	Leave waste dump, toe bears N. 20° E. and S. 20° W.
330.00	Cor. No. 2, identical with Cor. No. 1 of the Copper Hill No. 1 Mill Site No. 15, and on line 3-4 of the Copper Hill No. 2 lode of this survey.

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FEET	
	Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, with stone mound alongside, with aluminum cap mkd. X-CH1MS14-2-CH2-CH1MS15-1-4732A&B.  Thence N. 43°13'30" E.
210.	Road, 20 ft. wide; bears N. 50° W. and S. 40° E.
280.	Road, 12 ft. wide; bears N. 5° W. and S. 5° E.
285.	Water line, 6 ins. diam., steel, bears S. 70° E., and N. 70° W.
600.00	Cor. No. 3, identical with Cor. Nos. 4, 1 and 1 of the Copper Hill No. 1 Mill Site No. 15, Copper Hill Mill Site No. 6 and Copper Hill Mill Site No. 5, respectively, of this survey.  Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, with stone mound alongside, with aluminum cap mkd. X-CH1MS14-3-CH1MS15-4-CHMS6-1-CHMS5-1-4732B.  Thence S. 46°46'30" E.
80.	Enter tailing pile, bears North and South.
165.00	Cor. Nos. 4 and 2, of the Copper Hill Mill Site No. 5 and Copper Hill Mill Site No. 4, respectively, of this survey.
330.00	Cor. No. 4, identical with Cor. Nos. 1, 1 and 3 of the Copper Hill Mill Site No. 4, Copper Hill Mill Site No. 3, and Hermes Mill Site No. 13, respectively, of this survey, previously described.  Thence S. 43°13'30" W.
495.	Leave tailing pile, bears N. 85° W. and S. 85° E., enter mine yard.
600.00	Cor. No. 1, and place of beginning.
	Copper Hill No. 1 Mill Site No. 15  Beginning at Cor. No. 1 of the Copper Hill No. 1 Mill Site No. 15, identical with Cor. No. 2 of the Copper Hill No. 1 Mill Site 14, and on line 3-4 of the Copper Hill No. 2 lode, of this survey, previously described, from which  The 1/4 sec. cor. common to secs. 22 and 27 bears S. 8°49'15" E., 1834.65 ft. dist., previously described.  Thence N. 46°46'30" W.
31.	Gulch, 2 ft. wide; course S. 15° W.
247.	Road, 30 ft. wide; bears N. 45° E. and S. 45° W.
299.00	Cor. Nos. 3 and 4, of the Copper Hill No. 2 and Valley Copper No 2 lodes, respectively, of this survey, previously described.



FEET	
317.	Water line, 6 ins. diam., steel, bears S. 48° W. and N. 48° E.
330.00	Cor. No. 2, on line 3-4 of the Valley Copper No 2 lode of this survey.  Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, with stone mound alongside, with aluminum cap mkd. X-CH1MS15-2-VC2-4732A&B.  Thence N. 43°13'30" E.
270.	Road, 12 ft. wide; bears N. 12° E. and S. 12° W.
600.00	Cor. No. 3, identical with Cor. Nos. 4 and 1 of the Copper Hill Mill Site No. 8 and Copper Hill Mill Site No. 7, respectively, of this survey.  Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, with stone mound alongside, with aluminum cap mkd. X-CH1MS15-3-CHMS8-4-CHMS7-1-4732B.  Thence S. 46°46'30" E.
25.	Road, 12 ft. wide; bears S. 40° W. and N. 50° E.
165.00	Cor. Nos. 4 and 2, of the Copper Hill Mill Site No. 7 and Copper Hill Mill Site No. 6, respectively, of this survey.
330.00	Cor. No. 4, identical with Cor. Nos. 1, 1 and 3 of the Copper Hill Mill Site No. 6, Copper Hill Mill Site No. 5, and Copper Hill No. 1 Mill Site 14, respectively, of this survey, previously described.  Thence S. 43°13'30" W.
315.	Water line, 6 ins. diam., steel, bears S. 70° E. and N. 70° W.
320.	Road, 12 ft. wide; bears N. 5° W. and S. 5° E.
390.	Road, 20 ft. wide; bears N. 50° W. and S. 40° E.
600.00	Cor. No. 1, and place of beginning.
	Copper Hill Mill Site No. 1
	Beginning at Cor. No. 1 of the Copper Hill Mill Site No. 1, identical with Cor. Nos. 3, 4 and 1 of the Hermes lode, Hermes Mill Site No. 13, and Copper Hill Mill Site No. 2, respectively, of this survey, being also identical with the E'most cor. of the Copper Hill No. 1 lode, unsurveyed, previously described, from which  The 1/4 sec. cor. common to secs. 22 and 27 bears S. 18°45'10" W., 1898.95 ft. dist., previously described.  Thence N. 43°13'30" E.
260.	Road, 12 ft. wide; bears North and South.

FEET	
600.	Road, 12 ft. wide; bears N. 60° E. and S. 60° W.
1020.	Road, 12 ft. wide; bears East and West.
1320.00	Cor. No. 2, identical with Cor. No. 4 of the Copper Hill Mill Site No. 2, and on line 1-2 of the Copper Hill Mill Site No. 10 of this survey.
	Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, with stone mound alongside with aluminum cap mkd. X-CHMS1-2-CHMS2-4-CHMS10-4732B.
	Thence S. 46°46'30" E.
83.	Road, 12 ft. wide; bears N. 4° W. and S. 4° E.
115.	Road, 12 ft. wide; bears N. 20° E. and S. 20° W.
165.00	Cor. No. 3, identical with Cor. No. 1 of the Copper Hill Mill Site No. 10 of this survey.
	Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, with stone mound alongside with aluminum cap mkd. X-CHMS1-3-CHMS10-1-4732B.
	Thence S. 43°13'30" W.
60.	Road, 12 ft. wide; bears North and South.
245.	Road, 12 ft. wide; bears N. 80° E. and S. 80° W.
390.	Road, 12 ft. wide; bears N. 40° W. and S. 40° E.
720.00	The N'most cor. of the F.D.R. lode, unsurveyed.
	Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, with stone mound alongside with aluminum cap mkd. X-CHMS1-4732B-FDR-N.
1160.	Road, 12 ft. wide; bears N. 75° W. and S. 50° E.
1320.00	Cor. No. 4, on line 3-4 of the Hermes lode of this survey, being also identical with the W'most cor. of the F.D.R. lode, unsurveyed.
	Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, with stone mound alongside with aluminum cap mkd. X-CHMS1-4-H-4732A&B-FDR-W.
	Thence N. 46°46'30" W.
145.	Road, 20 ft. wide; bears S. 50° W. and N. 50° E.
165.00	Cor. No. 1, and place of beginning.
	<p data-bbox="535 2136 1339 2190">of the Copper Hill Mill Site No. 2</p> <p data-bbox="535 2204 1339 2446">Beginning at Cor. No. 1 of the Copper Hill Mill Site No. 2, identical with Cor. Nos. 1, 3 and 4 of the Copper Hill Mill Site No. 1, Hermes lode, and Hermes Mill Site No. 13, respectively, of this survey, being also identical with the E'most cor. of the Copper Hill No. 1 lode, unsurveyed, previously described, from which</p>

FEET	
	The 1/4 sec. cor. common to secs. 22 and 27 bears S. 18°45'10" W., 1898.95 ft. dist., previously described.
	Thence N. 46°46'30" W.
130.00	Dike, 20 ft. wide; bears N. 45° E. and S. 45° W., enter tailing pile, bearing same.
165.00	Cor. No. 2, identical with Cor. No. 4 of the Copper Hill Mill Site No. 3, and on line 3-4 of the Hermes Mill Site No. 13 of this survey.  Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground; with stone mound alongside, with aluminum cap mkd. X-CHMS2-2-HMS13-CHMS3-4-4732B.
	Thence N. 43°13'30" E.
700.	Crest of road on tailing pile, 12 ft. wide; bears N. 60° E. and S. 60° W.
1250.	Leave tailing pile, bears S. 10° W. and N. 10° E.
1320.00	Cor. No. 3, identical with Cor. No. 3 of the Copper Hill Mill Site No. 3, and on line 1-2 of the Copper Hill Mill Site No. 10 of this survey,  Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground; with stone mound alongside, with aluminum cap mkd. X-CHMS2-3-CHMS3-3-CHMS10-4732B.
	Thence S. 46°46'30" E.
165.00	Cor. No. 4, identical with Cor. No. 2 of the Copper Hill Mill Site No. 15, and on line 1-2 of the Copper Hill Mill Site No. 10 of this survey, previously described.
	Thence S. 43°13'30" W.
300.	Road, 12 ft. wide; bears East and West.
720.	Road, 12 ft. wide; bears N. 60° E. and S. 60° W.
1060.	Road, 12 ft. wide; bears North and South.
1320.00	Cor. No. 1, and place of beginning.
Copper Hill Mill Site No. 3	
Beginning at Cor. No. 1 of the Copper Hill Mill Site No. 3, identical with Cor. Nos. 3, 4 and 1 of the Hermes Mill Site No. 13, Copper Hill No. 1 Mill Site 14, and Copper Hill Mill Site No. 4, respectively, of this survey, previously described, from which  The 1/4 sec. cor. common to secs. 22 and 27 bears S. 10°21'30" W., 2057.68 ft. dist., previously described.	
	Thence N. 43°13'30" E.

FEET	
200.	Road, 12 ft. wide; bears N. 85° W. and S. 80° E.
1080.	Enter tailing pond; bears N. 85° E. and S. 85° W.
1320.00	Cor. No. 2, identical with Cor. No. 4 of the Copper Hill Mill Site No. 4, and on line 1-2 of the Copper Hill Mill Site No. 10 of this survey. This cor. falls in the tailing pond where a monument cannot be established.
	Thence S. 46°46'30" E.
145.	Leave tailing pile, bears N. 30° E. and S. 30° W.
165.00	Cor. No. 3, identical with Cor. No. 3 of the Copper Hill Mill Site No. 2; and on line 1-2 of the Copper Hill Mill Site No. 10 of this survey, previously described.
	Thence S. 43°13'30" W.
70.	Enter tailing pile, bears S. 10° W. and N. 10° E.
620.	Crest of road on tailing pile, 12 ft. wide; bears N. 60° E. and S. 60° W.
1320.00	Cor. No. 4, identical with Cor. No. 2 of the Copper Hill Mill Site No. 2, and on line 3-4 of the Hermes Mill Site No. 13 of this survey, previously described.
	Thence N. 46°46'30" W.
165.00	Cor. No. 1, and place of beginning.
	Copper Hill Mill Site No. 4
	Beginning at Cor. No. 1 of the Copper Hill Mill Site No. 4, identical with Cor. Nos. 1, 3 and 4 of the Copper Hill Mill Site No. 3, Hermes Mill Site No. 13, and Copper Hill No. 1 Mill Site 14, respectively, of this survey, previously described, from which
	The 1/4 sec. cor. common to secs. 22 and 27, bears S. 10°21'30" W., 2057.68 ft. dist., previously described.
	Thence N. 46°46'30" W.
165.00	Cor. No. 2, identical with Cor. No. 4 of the Copper Hill Mill Site No. 5, and on line 3-4 of the Copper Hill Mill Site 14 of this survey.
	Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, with stone mound alongside, with aluminum cap mkd. X-CHMS4-2-CH1MS14-CHMS5-4-4732B.
	Thence N. 43°13'30" E.
160.	Crest of road on tailing pile, 12 ft. wide; bears N. 55° W. and S. 55° E.
1030.	Enter tailing pond, bears N. 40° W. and S. 40° E.

FEET	
1320.00	<p>Cor. No. 3, identical with Cor. No. 3 of the Copper Hill Mill Site No. 5, and on line 1-2 of the Copper Hill Mill Site No. 10 of this survey. This corner falls in the tailing pond where a monument cannot be established.</p> <p>Thence S. 46°46'30" E.</p>
165.00	<p>Cor. No. 4, identical with Cor. No. 2 of the Copper Hill Mill Site No. 3, and on line 1-2 of the Copper Hill Mill Site No. 10 of this survey. This corner falls in the tailing pond where a monument cannot be established.</p> <p>Thence S. 43°13'30" W.</p>
240.	<p>Leave tailing pond; bears N. 85° E. and S. 85° W.</p>
1120.	<p>Crest of road on tailing pile, 12 ft. wide; bears N. 85° W. and S. 80° E.</p>
1320.00	<p>Cor. No. 1, and place of beginning.</p>
Copper Hill Mill Site No. 5	
<p>Beginning at Cor. No. 1 of the Copper Hill Mill Site No. 5, identical with Cor. Nos. 3, 4 and 1 of the Copper Hill Mill Site No. 14, Copper Hill No. 1 Mill Site No. 15, and Copper Hill Mill Site No. 6, respectively, of this survey, previously described, from which</p> <p>The 1/4 sec. cor. common to secs. 22 and 27 bears S. 3°17'45" W., 2253.88 ft. dist., previously described.</p>	
<p>Thence N. 43°13'30" E.</p>	
90.	<p>Enter tailing pile; bears North and South.</p>
180.	<p>Crest of road on tailing pile, 12 ft. wide; bears N. 30° W. and S. 30° W.</p>
1125.	<p>Enter tailing pond; bears N. 15° W. and S. 15° E.</p>
1320.00	<p>Cor. No. 2, identical with Cor. No. 4 of the Copper Hill Mill Site No. 6, and on line 1-2 of the Copper Hill Mill Site No. 10 of this survey. This corner falls in the tailing pond where a monument cannot be established.</p> <p>Thence S. 46°46'30" E.</p>
165.00	<p>Cor. No. 3, identical with Cor. No. 3 of the Copper Hill Mill Site No. 4, and on line 1-2 of the Copper Hill Mill Site No. 10 of this survey. This corner falls in the tailing pond where a monument cannot be established.</p> <p>Thence S. 43°13'30" W.</p>
290.	<p>Leave tailing pond; bears N. 20° W. and S. 20° E.</p>
1160.	<p>Crest of road on tailing pile, 12 ft. wide; bears N. 55° W. and S. 55° E.</p>

FEET	
1320.00	Cor. No. 4, identical with Cor. No. 2 of the Copper Hill Mill Site No. 4, and on line 3-4 of the Copper Hill No. 1 Mill Site 14 of this survey, previously described. Thence N. 46°46'30" W.
85.	Leave tailing pile, bears North and South.
165.00	Cor. No. 1, and place of beginning.
	Copper Hill Mill Site No. 6
	Beginning at Cor. No. 1 of the Copper Hill Mill Site No. 6, identical with Cor. Nos. 1, 3 and 4 of the Copper Hill Mill Site No. 5, Copper Hill No. 1 Mill Site 14 and Copper Hill No. 1 Mill Site No. 15, respectively, of this survey, previously described, from which
	The 1/4 sec. cor. common to secs. 22 and 27 bears S. 3°17'45" W., 2253.88 ft. dist., previously described.
	Thence N. 46°46'30" W.
165.00	Cor. No. 2; identical with Cor. No. 4 of the Copper Hill Mill Site No. 7, and on line 3-4 of the Copper Hill No. 1 Mill Site No. 15 of this survey. Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, stone mound alongside, with aluminum cap mkd. X-CHMS6-2-CHMS15-CHMS7-4-4732B.
	Thence N. 43°13'30" E.
170.	Road, 12 ft. wide; bears N. 65° W. and S. 65° E.
225.	Enter tailing pile, bears N. 15° W. and S. 15° E.
1230.	Leave tailing pile, bears S. 65° E. and N. 65° W.
1320.00	Cor. No. 3, identical with Cor. No. 3 of the Copper Hill Mill Site No. 7, and on line 1-2 of the Copper Hill Mill Site No. 10 of this survey. Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, stone mound alongside, with aluminum cap mkd. X-CHMS6-3-CHMS7-3-CHMS10-4732B.
	Thence S. 46°46'30" E.
91.27	Point selected for witness cor. No. 4, identical with witness cor. No. 2 of the Copper Hill Mill Site No. 5, and on line 1-2 of the Copper Hill Mill Site No. 10 of this survey. Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, stone mound alongside, with aluminum cap mkd. X-WC-CHMS6-4-CHMS10-WC-CHMS5-2-4732B.
110.	Enter tailing pile, bears N. 80° E. and S. 80° W.

FEET	
165.00	Cor. No. 4, identical with Cor. No. 2 of the Copper Hill Mill Site No. 5, and on line 1-2 of the Copper Hill Mill Site No. 10 of this survey. This cor. falls in the tailing pond where a monument cannot be established.
	Thence S. 43°13'30" W.
195.	Leave tailing pond, bears N. 15° W. and S. 15° E.
1140.	Crest of road on tailing pile, 12 ft. wide; bears N. 30° W. and S. 30° E.
1230.	Leave tailing pile, bears North and South.
1320.00	Cor. No. 1, and place of beginning.
Copper Hill Mill Site No. 7	
	Beginning at Cor. No. 1 of the Copper Hill Mill Site No. 7, identical with Cor. Nos. 3 and 4 of the Copper Hill No. 1 Mill Site No. 15 and Copper Hill Mill Site No. 8, respectively, of this survey, previously described, from which
	The 1/4 sec. cor. common to secs. 22 and 27 bears S. 28°33'50" E., 2478.64 ft. dist., previously described.
	Thence N. 43°13'30" E.
295.	Road, 12 ft. wide; bears N. 2° E. and S. 2° W.
325.	Enter tailing pile; bears N. 10° W. and S. 10° E.
1150.	Leave tailing pile; bears S. 80° E. and N. 80° W.
1320.00	Cor. No. 2, identical with Cor. No. 3 of the Copper Hill Mill Site No. 8, and on line 1-2 of the Copper Hill Mill Site No. 10 of this survey.
	Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, stone mound alongside, with aluminum cap mkd. X-CHMS7-2-CHMS8-3-CHMS10-4732B.
	Thence S. 46°46'30" E.
165.00	Cor. No. 3, identical with Cor. No. 3 of the Copper Hill Mill Site No. 6, and on line 1-2 of the Copper Hill Mill Site No. 10 of this survey, previously described.
	Thence S. 43°13'30" W.
90.	Enter tailing pile, bears S. 65° E. and N. 65° W.
1095.	Leave tailing pile, bears N. 15° W. and S. 15° E.
1150.	Road, 12 ft. wide; bears N. 65° W. and S. 65° E.
1320.00	Cor. No. 4, identical with Cor. No. 2 of the Copper Hill Mill Site No. 6, and on line 3-4 of the Copper Hill No. 1 Mill Site No. 15 of this survey, previously described.
	Thence N. 46°46'30" W.
140.	Road, 12 ft. wide; bears N. 50° E. and S. 40° W.
165.00	Cor. No. 1, and place of beginning.

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FEET	
	Copper Hill Mill Site No. 8
	At Cor. No. 1 of the Copper Hill Mill Site No. 8, identical with Cor. No. 1 of the Copper Hill Mill Site No. 9 of this survey.
	Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, stone mound alongside, with aluminum cap mkd. X-CHMS8-1-CHMS9-1-4732B, from which
	The 1/4 sec. cor. common to secs. 22 and 27 bears S. 5°06' E., 2599.45 ft. dist., previously described.
	Thence N. 43°13'30" E.
395	Road, 12 ft. wide; bears North and S. 20° E.
1270	Road, 12 ft. wide; bears N. 73° W. and S. 73° E.
1320.00	Cor. No. 2, identical with Cor. Nos. 4 and 2 of the Copper Hill Mill Site No. 9 and Copper Hill Mill Site No. 10, respectively, of this survey.
	Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, stone mound alongside, with aluminum cap mkd. X-CHMS8-2-CHMS9-4-CHMS10-2-4732B.
	Thence S. 46°46'30" E.
110	Road, 12 ft. wide; bears N. 73° W. and S. 73° E.
165.00	Cor. No. 3, identical with Cor. No. 2 of the Copper Hill Mill Site No. 7, and on line 1-2 of the Copper Hill Mill Site No. 10 of this survey, previously described.
	Thence S. 43°13'30" W.
170	Enter tailing pile, bears S. 80° E. and N. 80° W.
995	Leave tailing pile, bears N. 10° W. and S. 10° E.
1025	Road, 12 ft. wide; bears N. 2° E. and S. 2° W.
1320.00	Cor. No. 4, identical with Cor. Nos. 1 and 3 of the Copper Hill Mill Site No. 7 and Copper Hill Mill Site No. 15, respectively, of this survey, previously described.
	Thence N. 46°46'30" W.
100	Road, 12 ft. wide; bears N. 50° E. and S. 50° W.
165.00	Cor. No. 1, and place of beginning.
	Copper Hill Mill Site No. 9
	Beginning at Cor. No. 1 of the Copper Hill Mill Site No. 9, identical with Cor. No. 1 of the Copper Hill Mill Site No. 8 of this survey, previously described, from which



FEET	
	The 1/4 sec. cor. common to secs. 22 and 27 bears S. 5°06' E., 2599.45 ft. dist., previously described.
	Thence N. 46°46'30" W.
20.	Enter channel of wash, 30 ft. wide; course S. 45° W.
52.	Leave channel of wash, 30 ft. wide; course S. 45° W.
165.00	Cor. No. 2.
	Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, stone mound alongside, with aluminum cap mkd. X-CHMS9-2-4732B.
	Thence N. 43°13'30" E.
550.	Gulch, 15 ft. wide; course S. 30° W.
925.	Road, 12 ft. wide; bears N. 40° E. and S. 30° W.
1100.	Road, 12 ft. wide; bears N. 60° E. and S. 60° W.
1320.00	Cor. No. 3.
	Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, with stone mound alongside, with aluminum cap mkd. X-CHMS9-3-4732B.
	Thence S. 46°46'30" E.
165.00	Cor. No. 4, identical with Cor. Nos. 2 and 2 of the Copper Hill Mill Site No. 10 and Copper Hill Mill Site No. 8, respectively, of this survey, previously described.
	Thence S. 43°13'30" W.
50.	Road, 12 ft. wide; bears S. 73° E. and N. 73° W.
925.	Road, 12 ft. wide; bears North and S. 20° E.
1320.00	Cor. No. 1, and place of beginning.
	<b>Copper Hill Mill Site No. 10</b>
	Beginning at Cor. No. 1 of the Copper Hill Mill Site No. 10, identical with Cor. No. 3 of the Copper Hill Mill Site No. 1 of this survey, previously described, from which
	The 1/4 sec. cor. common to secs. 22 and 27 bears S. 31°42' W., 3111.09 ft. dist., previously described.
	Thence N. 46°46'30" W.
50.	Road, 12 ft. wide; bears N. 20° E. and S. 20° W.
82.	Road, 12 ft. wide; bears N. 4° W. and S. 4° E.
165.00	Cor. Nos. 2 and 4 of the Copper Hill Mill Site No. 1 and Copper Hill Mill Site No. 2, respectively, of this survey, previously described.

FEET	
330.00	Cor. Nos. 3 and 3 of the Copper Hill Mill Site No. 2 and Copper Hill Mill Site No. 3, respectively, of this survey, previously described.
350.	Enter tailing pile, bears N. 30° E. and S. 30° W.
495.00	Cor. Nos. 2 and 4 of the Copper Hill Mill Site No. 3 and Copper Hill Mill Site No. 4, respectively, of this survey, previously described.
660.00	Cor. Nos. 3 and 3 of the Copper Hill Mill Site No. 4 and Copper Hill Mill Site No. 5, respectively, of this survey, previously described.
825.00	Cor. Nos. 2 and 4 of the Copper Hill Mill Site No. 5 and Copper Hill Mill Site No. 6, respectively, of this survey, previously described.
880.	Leave tailing pile, bears N. 80° E. and S. 80° W.
898.73	Witness Cor. Nos. 2 and 4 of the Copper Hill Mill Site No. 5 and Copper Hill Mill Site No. 6, respectively, of this survey, previously described.
990.00	Cor. Nos. 3 and 3 of the Copper Hill Mill Site No. 6 and Copper Hill Mill Site No. 7, respectively, of this survey, previously described.
1155.00	Cor. Nos. 2 and 3 of the Copper Hill Mill Site No. 7 and Copper Hill Mill Site No. 8, respectively, of this survey, previously described.
1210.	Road, 12 ft. wide; bears S. 73° E. and N. 73° W.
1320.00	Cor. No. 2, identical with Cor. Nos. 2 and 4 of the Copper Hill Mill Site No. 8 and Copper Hill Mill Site No. 9, respectively, of this survey, previously described.
	Thence N. 43°13'30" E.
165.00	Cor. No. 3, identical with Cor. No. 3 of the Copper Hill Mill Site No. 11 of this survey.
	Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, stone mound alongside, with aluminum cap mkd. X-CHMS10-3-CHMS11-3-4732B.
	Thence S. 46°46'30" E.
412.	Road, 12 ft. wide; bears N. 80° W. and East.
560.	Enter tailing pile, bears N. 75° E. and S. 75° W.
935.	Leave tailing pile, bears N. 20° E. and S. 20° W.
1110.	Road, 12 ft. wide; bears N. 12° E. and S. 12° W.
1200.	Road, 12 ft. wide; bears N. 22° E. and S. 22° W.
1320.00	Cor. No. 4, identical with Cor. No. 2 of the Copper Hill Mill Site No. 11 of this survey.

FEET	
	Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, stone mound alongside, with aluminum cap mkd. X-CHMS10-4-CHMS11-2-4732B.
	Thence S. 43°13'30" W.
165.00	Cor. No. 1, and place of beginning.
	Copper Hill Mill Site No. 11
	At Cor. No. 1 of the Copper Hill Mill Site No. 11, identical with Cor. No. 1 of the Copper Hill Mill Site No. 12 of this survey.
	Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, stone mound alongside, with aluminum cap mkd. X-CHMS11-1-CHMS12-1-4732B, from which
	The 1/4 sec. cor. common to secs. 22 and 27 bears S. 32°48' W., 3435.07 ft. dist., previously described.
	Thence S. 43°13'30" W.
165.00	Cor. No. 2, identical with Cor. No. 4 of the Copper Hill Mill Site No. 10 of this survey, previously described.
	Thence N. 46°46'30" W.
120.	Road, 12 ft. wide; bears N. 22° E. and S. 22° W.
210.	Road, 12 ft. wide; bears N. 12° E. and S. 12° W.
385.	Enter tailing pile, bears N. 20° E. and S. 20° W.
760.	Leave tailing pile, bears N. 75° E. and S. 75° W.
908.	Road, 12 ft. wide; bears N. 30° W. and East.
1320.00	Cor. No. 3, identical with Cor. No. 3 of the Copper Hill Mill Site No. 10 of this survey, previously described.
	Thence N. 43°13'30" E.
165.00	Cor. No. 4, identical with Cor. No. 2 of the Copper Hill Mill Site No. 12 of this survey.
	Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, stone mound alongside, with aluminum cap mkd. X-CHMS11-4-CHMS12-2-4732B.
	Thence S. 46°46'30" E.
590.	Road, 12 ft. wide; bears East and West.
610.	Gulch, 5 ft. wide, course South.
635.	Enter tailing pile, bears N. 70° E. and S. 70° W.
870.	Leave tailing pile, bears N. 20° E. and S. 20° W.
1000.	Road, 12 ft. wide; bears N. 12° E. and S. 12° W.
1135.	Road, 12 ft. wide; bears N. 22° E. and S. 22° W.
1320.00	Cor. No. 1, and place of beginning.

FEET	
	Copper Hill Mill Site No. 12
	Beginning at Cor. No. 1 of the Copper Hill Mill Site No. 12, identical with Cor. No. 1 of the Copper Hill Mill Site No. 11 of this survey, previously described, from which
	The 1/4 sec. cor. common to secs. 22 and 27 bears S. 32°48' W., 3435.07 ft. dist., previously described.
	Thence N. 46°46'30" W.
185.00	Road, 12 ft. wide; bears N. 22° E. and S. 22° W.
320.00	Road, 12 ft. wide; bears N. 12° E. and S. 12° W.
450.00	Enter tailing pile, bears N. 20° E. and S. 20° W.
685.00	Leave tailing pile, bears N. 70° E. and S. 70° W.
710.00	Gulch, 5 ft. wide; course South.
730.00	Road, 12 ft. wide; bears East and West.
1320.00	Cor. No. 2, identical with Cor. No. 4, of the Copper Hill Mill Site No. 11 of this survey, previously described.
	Thence N. 43°13'30" E.
165.00	Cor. No. 3.
	Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, stone mound alongside, with aluminum cap mkd. X-CHMS12-3-4732B.
	Thence S. 46°46'30" E.
440.00	Gulch, 5 ft. wide; course S. 10° W.
693.00	Road, 12 ft. wide; bears East and West.
710.00	Enter tailing pile, bears N. 65° E. and S. 65° W.
800.00	Leave tailing pile, bears N. 40° E. and S. 20° W.
900.00	Road, 12 ft. wide; bears N. 12° E. and S. 12° W.
1080.00	Road, 12 ft. wide; bears N. 22° E. and S. 22° W.
1320.00	Cor. No. 4.
	Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, with stone mound alongside, with aluminum cap mkd. X-CHMS12-4-4732B.
	Thence S. 43°13'30" W.
165.00	Cor. No. 1, and place of beginning.

FEET	AREAS
	Acres
	Total area, Valley Copper No 1 lode 20.661
	Area in conflict with patented land 10.761
	Total area, Jiantown Copper No. 1 lode 20.489
	Area in conflict with patented land 1.887
	Total area, Hermes No. 2 lode 20.661
	Total area, Hermes lode 20.661
	Total area, Copper Hill No. 2 lode 20.592
	Area in conflict with Valley Copper No. 3 lode 0.103
	Total area, Valley Copper No. 3 lode 16.529
	Area in conflict with Valley Copper No. 2 lode 0.034
	Area in conflict with Copper Hill No. 2 lode 0.103
	Total area, Valley Copper No. 2 lode 20.592
	Area in conflict with Valley Copper No. 3 lode 0.034
	Total area, Hermes Mill Site No. 13 4.546
	Area in conflict with Copper Hill No. 1 lode, unsurveyed 4.546
	Total area, Copper Hill No. 1 Mill Site 4.546
	Area in conflict with Copper Hill No. 1 lode, unsurveyed 4.546
	Total area, Copper Hill No. 1 Mill Site No. 15 4.546
	Area in conflict with Copper Hill No. 1 lode, unsurveyed 4.546
	Total area, Copper Hill Mill Site No. 1 5.000
	Total area, Copper Hill Mill Site No. 2 5.000
	Total area, Copper Hill Mill Site No. 3 5.000
	Total area, Copper Hill Mill Site No. 4 5.000
	Total area, Copper Hill Mill Site No. 5 5.000
	Total area, Copper Hill Mill Site No. 6 5.000
	Total area, Copper Hill Mill Site No. 7 5.000
	Total area, Copper Hill Mill Site No. 8 5.000
	Total area, Copper Hill Mill Site No. 9 5.000
	Total area, Copper Hill Mill Site No. 10 5.000
	Total area, Copper Hill Mill Site No. 11 5.000
	Total area, Copper Hill Mill Site No. 12 5.000
	LOCATION
	This survey is located in Secs. 22 and 27, T. 23 N., R. 18 W., G. & S.R.M., Arizona, being identical with the respective locations or 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 Valley Copper No 1 lode, being on the lode line 50 ft. from the center of line 3-4.
	No value.

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FEET	
No. 2	A rotary drill hole, 5 inches in diameter, 400 ft. deep, the center of which bears S. 3°56'W., 55 ft. from Cor. No. 4, Valley Copper No 1 lode. Value, \$2,000.
No. 1	The discovery point of the Jintown Copper No. 1 lode, being on the lode line 100 ft. from a point on line 4-1, 295 ft. from Cor. No. 4. No value.
No. 2	A rotary drill hole, 5 inches in diameter, 260 ft. deep, the center of which bears N.30°18'W., 673 ft. from Cor. No. 1, Jintown Copper No. 1 lode. Value, \$1,300.
No. 3	A rotary drill hole, 5 inches in diameter, 300 ft. deep, the center of which bears N.58°47'E., 158 ft. from Cor. No. 2, Jintown Copper No. 1 lode. Value, \$1,500.
No. 4	A rotary drill hole, 5 inches in diameter, 300 ft. deep, the center of which bears S.83°30' E., 845 ft. from Cor. No. 2, Jintown Copper No. 1 lode. Value, \$1,500.
No. 5	A rotary drill hole, 5 inches in diameter, 280 ft. deep, the center of which bears S.68°48' E., 360 ft. from Cor. No. 2, Jintown Copper No. 1 lode. Value, \$1,400.
No. 6	A rotary drill hole, 5 inches in diameter, 300 ft. deep, the center of which bears S. 47°50' E., 443 ft. from Cor. No. 2, Jintown Copper No. 1 lode. Value, \$1,500.
No. 7	A rotary drill hole, 5 inches in diameter, 245 ft. deep, the center of which bears S. 38°48' E., 685 ft. from Cor. No. 3, Jintown Copper No. 1 lode. Value, \$1,250.
No. 8	A rotary drill hole, 5 inches in diameter, 240 ft. deep, the center of which bears S. 34°37' E., 583 ft. from Cor. No. 3, Jintown Copper No. 1 lode. Value, \$1,200.
No. 9	A rotary drill hole, 5 inches in diameter, 230 ft. deep, the center of which bears S. 43°20' E., 484 ft. from Cor. No. 3, Jintown Copper No. 1 lode. Value, \$1,150.
No. 10	A rotary drill hole, 5 inches in diameter, 260 ft. deep, the center of which bears S. 29°43' E., 670 ft. from Cor. No. 3, Jintown Copper No. 1 lode. Value, \$1,300.

FEET	
No. 11	A rotary drill hole, 5 inches in diameter, 231 ft. deep, the center of which bears S. 37°36' E., 378 ft. from Cor. No. 3, Jimtown Copper No. 1 lode. Value, \$1,150.
No. 12	A rotary drill hole, 5 inches in diameter, 280 ft. deep, the center of which bears S. 21°50' E., 380 ft. from Cor. No. 3, Jimtown Copper No. 1 lode. Value, \$1,400.
No. 13	A rotary drill hole, 5 inches in diameter, 260 ft. deep, the center of which bears S. 10°15' W., 359 ft. from Cor. No. 3, Jimtown Copper No. 1 lode. Value, \$1,300.
No. 14	A rotary drill hole, 5 inches in diameter, 280 ft. deep, the center of which bears S. 16°00' W., 242 ft. from Cor. No. 3, Jimtown Copper No. 1 lode. Value, \$1,400.
No. 15	A rotary drill hole, 5 inches in diameter, 250 ft. deep, the center of which bears S. 29°37' E., 476 ft. from Cor. No. 3, Jimtown Copper No. 1 lode. Value, \$1,250.
No. 16	A rotary drill hole, 5 inches in diameter, 250 ft. deep, the center of which bears S. 23°40' E., 576 ft. from Cor. No. 3, Jimtown Copper No. 1 lode. Value, \$1,250.
No. 17	A rotary drill hole, 5 inches in diameter, 230 ft. deep, the center of which bears S. 30°32' E., 268 ft. from Cor. No. 3, Jimtown Copper No. 1 lode. Value, \$1,150.
No. 18	A rotary drill hole, 5 inches in diameter, 290 ft. deep, the center of which bears S. 42°50' E., 410 ft. from Cor. No. 3, Jimtown Copper No. 1 lode. Value, \$1,450.
No. 19	A rotary drill hole, 5 inches in diameter, 240 ft. deep, the center of which bears S. 13°20' E., 305 ft. from Cor. No. 3, Jimtown Copper No. 1 lode. Value, \$1,200.
No. 20	A rotary drill hole, 5 inches in diameter, 250 ft. deep, the center of which bears N. 51°04' W., 700 ft. from Cor. No. 4, Jimtown Copper No. 1 lode. Value, \$1,250.
No. 21	A rotary drill hole, 5 inches in diameter, 250 ft. deep, the center of which bears N. 59°18' W., 774 ft. from Cor. No. 4, Jimtown Copper No. 1 lode. Value, \$1,250.

FEET	
No. 22	A rotary drill hole, 5 inches in diameter, 200 ft. deep, the center of which bears N. 75°50' W., 356 ft. from Cor. No. 4, Jintown Copper No. 1 lode. Value, \$1,000.
No. 1	The discovery point of the Hermes No. 2 lode, being on the lode line 100 ft. from the center of line 4+1. No value.
No. 2	A rotary drill hole, 5 inches in diameter, 236 ft. deep, the center of which bears N. 32°11' W., 668 ft. from Cor. No. 1, Hermes No. 2 lode. Value, \$1,100.
No. 3	A rotary drill hole, 5 inches in diameter, 147 ft. deep, the center of which bears N. 26°37' W., 598 ft. from Cor. No. 1, Hermes No. 2 lode. Value, \$730.
No. 4	A rotary drill hole, 5 inches in diameter, 104 ft. deep, the center of which bears N. 15°28' W., 531 ft. from Cor. No. 1, Hermes No. 2 lode. Value, \$520.
No. 5	A rotary drill hole, 5 inches in diameter, 104 ft. deep, the center of which bears N. 25°21' W., 480 ft. from Cor. No. 1, Hermes No. 2 lode. Value, \$520.
No. 6	A rotary drill hole, 5 inches in diameter, 120 ft. deep, the center of which bears N. 39°37' W., 486 ft. from Cor. No. 1, Hermes No. 2 lode. Value, \$600.
No. 7	A rotary drill hole, 5 inches in diameter, 240 ft. deep, the center of which bears N. 42°58' W., 670 ft. from Cor. No. 1, Hermes No. 2 lode. Value, \$1,200.
No. 8	A rotary drill hole, 5 inches in diameter, 80 ft. deep, the center of which bears N. 16°50' W., 389 ft. from Cor. No. 1, Hermes No. 2 lode. Value, \$400.
No. 9	A rotary drill hole, 5 inches in diameter, 215 ft. deep, the center of which bears S. 48°17' E., 562 ft. from Cor. No. 2, Hermes No. 2 lode. Value, \$1,070.
No. 10	A rotary drill hole, 5 inches in diameter, 226 ft. deep, the center of which bears S. 67°57' E., 807 ft. from Cor. No. 2, Hermes No. 2 lode. Value, \$1,130.



FEET		
No. 11		A rotary drill hole, 5 inches in diameter, 220 ft. deep, the center of which bears S. 61°58' E., 711 ft. from Cor. No. 2, Hermes No. 2 lode. Value, \$1,100.
No. 12		A rotary drill hole, 5 inches in diameter, 220 ft. deep, the center of which bears S. 55°01' E., 647 ft. from Cor. No. 2, Hermes No. 2 lode. Value, \$1,100.
No. 13		A rotary drill hole, 5 inches in diameter, 250 ft. deep, the center of which bears S. 47°14' E., 713 ft. from Cor. No. 2, Hermes No. 2 lode. Value, \$1,250.
No. 14		A rotary drill hole, 5 inches in diameter, 240 ft. deep, the center of which bears S. 65°07' E., 582 ft. from Cor. No. 2, Hermes No. 2 lode. Value, \$1,200.
No. 15		A rotary drill hole, 5 inches in diameter, 240 ft. deep, the center of which bears S. 46°02' E., 600 ft. from Cor. No. 2, Hermes No. 2 lode. Value, \$1,200.
No. 16		A rotary drill hole, 5 inches in diameter, 230 ft. deep, the center of which bears S. 54°07' E., 505 ft. from Cor. No. 2, Hermes No. 2 lode. Value, \$1,150.
No. 17		A rotary drill hole, 5 inches in diameter, 240 ft. deep, the center of which bears S. 54°50' E., 788 ft. from Cor. No. 2, Hermes No. 2 lode. Value, \$1,200.
No. 18		A rotary drill hole, 5 inches in diameter, 260 ft. deep, the center of which bears S. 67°54' E., 466 ft. from Cor. No. 2, Hermes No. 2 lode. Value, \$1,300.
No. 19		A rotary drill hole, 5 inches in diameter, 195 ft. deep, the center of which bears S. 70°00' E., 688 ft. from Cor. No. 2, Hermes No. 2 lode. Value, \$1,000.
No. 20		A rotary drill hole, 5 inches in diameter, 240 ft. deep, the center of which bears S. 54°33' E., 405 ft. from Cor. No. 2, Hermes No. 2 lode. Value, \$1,200.
No. 21		A rotary drill hole, 5 inches in diameter, 160 ft. deep, the center of which bears S. 46°40' E., 685 ft. from Cor. No. 3, Hermes No. 2 lode. Value, \$800.

FEET	
No. 22	A rotary drill hole, 5 inches in diameter, 220 ft. deep, the center of which bears S. 28°13' E., 717 ft. from Cor. No. 3, Hermes No. 2 lode. Value, \$1,100.
No. 23	A rotary drill hole, 5 inches in diameter, 167 ft. deep, the center of which bears N. 66°39' W., 725 ft. from Cor. No. 4, Hermes No. 2 lode. Value, \$830.
No. 24	A rotary drill hole, 5 inches in diameter, 106 ft. deep, the center of which bears N. 61°14' W., 628 ft. from Cor. No. 4, Hermes No. 2 lode. Value, \$530.
No. 25	A rotary drill hole, 5 inches in diameter, 104 ft. deep, the center of which bears N. 78°35' W., 2376 ft. from Cor. No. 4, Hermes No. 2 lode. Value, \$520.
No. 26	A rotary drill hole, 5 inches in diameter, 104 ft. deep, the center of which bears N. 49°33' W., 343 ft. from Cor. No. 4, Hermes No. 2 lode. Value, \$520.
No. 27	A rotary drill hole, 5 inches in diameter, 104 ft. deep, the center of which bears N. 62°31' W., 445 ft. from Cor. No. 4, Hermes No. 2 lode. Value, \$520.
No. 28	A rotary drill hole, 5 inches in diameter, 64 ft. deep, the center of which bears N. 57°30' W., 540 ft. from Cor. No. 4, Hermes No. 2 lode. Value, \$320.
No. 29	A rotary drill hole, 5 inches in diameter, 80 ft. deep, the center of which bears N. 59°04' W., 153 ft. from Cor. No. 4, Hermes No. 2 lode. Value, \$400.
No. 1	The discovery point of the Hermes lode, being on the lode line 100 ft. from the center of line 4-1. No value.
No. 2	A rotary drill hole, 5 inches in diameter, 40 ft. deep, the center of which bears N. 24°30' W., 760 ft. from Cor. No. 1, Hermes lode. Value, \$200.
No. 3	A rotary drill hole, 5 inches in diameter, 60 ft. deep, the center of which bears N. 26°17' W., 169 ft. from Cor. No. 1, Hermes lode. Value, \$300.

FEET		
No. 4	A rotary drill hole, 5 inches in diameter, 90 ft. deep, the center of which bears N. 38°53' W., 702 ft. from Cor. No. 1, Hermes lode. Value, \$450.	
No. 5	A rotary drill hole, 5 inches in diameter, 70 ft. deep, the center of which bears N. 31°18' W., 736 ft. from Cor. No. 1, Hermes lode. Value, \$350.	
No. 6	A rotary drill hole, 5 inches in diameter, 70 ft. deep, the center of which bears N. 32°12' W., 596 ft. from Cor. No. 1, Hermes lode. Value, \$350.	
No. 7	A rotary drill hole, 5 inches in diameter, 64 ft. deep, the center of which bears N. 24°05' W., 663 ft. from Cor. No. 1, Hermes lode. Value, \$320.	
No. 8	A rotary drill hole, 5 inches in diameter, 75 ft. deep, the center of which bears N. 38°44' W., 510 ft. from Cor. No. 1, Hermes lode. Value, \$375.	
No. 9	A rotary drill hole, 5 inches in diameter, 80 ft. deep, the center of which bears N. 40°53' W., 608 ft. from Cor. No. 1, Hermes lode. Value, \$400.	
No. 10	A rotary drill hole, 5 inches in diameter, 60 ft. deep, the center of which bears N. 18°51' W., 574 ft. from Cor. No. 1, Hermes lode. Value, \$300.	
No. 11	A rotary drill hole, 5 inches in diameter, 74 ft. deep, the center of which bears S. 49°15' E., 738 ft. from Cor. No. 2, Hermes lode. Value, \$370.	
No. 12	A rotary drill hole, 5 inches in diameter, 94 ft. deep, the center of which bears S. 56°50' E., 687 ft. from Cor. No. 2, Hermes lode. Value, \$470.	
No. 13	A rotary drill hole, 5 inches in diameter, 181 ft. deep, the center of which bears S. 55°40' E., 408 ft. from Cor. No. 2, Hermes lode. Value, \$900.	
No. 14	A rotary drill hole, 5 inches in diameter, 40 ft. deep, the center of which bears S. 57°22' E., 573 ft. from Cor. No. 2, Hermes lode. Value, \$200.	
No. 15	A rotary drill hole, 5 inches in diameter, 20 ft. deep, the center of which bears S. 63°32' E., 668 ft. from Cor. No. 2, Hermes lode. Value, \$100.	
No. 16	A rotary drill hole, 5 inches in diameter, 20 ft. deep, the center of which bears S. 66°20' E., 757 ft. from Cor. No. 2, Hermes lode. Value, \$100.	

FEET	
No. 17	A rotary drill hole, 5 inches in diameter, 80 ft deep, the center of which bears S. 78°26' E., 687 ft. from Cor. No. 2, Hermes lode. Value, \$400.
No. 18	A rotary drill hole, 5 inches in diameter, 60 ft deep, the center of which bears S. 77°03' E., 763 ft. from Cor. No. 2, Hermes lode. Value, \$300.
No. 19	A rotary drill hole, 5 inches in diameter, 160 ft deep, the center of which bears S. 72°27' E., 464 ft. from Cor. No. 2, Hermes lode. Value, \$800.
No. 20	A rotary drill hole, 5 inches in diameter, 64 ft deep, the center of which bears N. 84°32' W., 517 ft. from Cor. No. 4, Hermes lode. Value, \$320.
No. 21	A rotary drill hole, 5 inches in diameter, 50 ft deep, the center of which bears N. 79°08' W., 400 ft. from Cor. No. 4, Hermes lode. Value, \$250.
No. 22	A rotary drill hole, 5 inches in diameter, 44 ft deep, the center of which bears N. 68°03' W., 573 ft. from Cor. No. 4, Hermes lode. Value, \$220.
No. 23	A rotary drill hole, 5 inches in diameter, 50 ft deep, the center of which bears N. 73°12' W., 590 ft. from Cor. No. 4, Hermes lode. Value, \$250.
No. 24	A rotary drill hole, 5 inches in diameter, 40 ft deep, the center of which bears N. 62°14' W., 788 ft. from Cor. No. 4, Hermes lode. Value, \$200.
No. 25	A shaft, 4 ft. by 6 ft., 8 ft. deep, the center of which bears N. 63°43' W., 1028 ft. from Cor. No. 4, Hermes lode. Value, \$100.
No. 26	A shaft, 4 ft. by 6 ft., 8 ft. deep, the center of which bears N. 51°17' W., 905 ft. from Cor. No. 4, Hermes lode. Value, \$100.
No. 27	A shaft, 4 ft. by 6 ft., 8 ft. deep, the center of which bears N. 49°20' W., 670 ft. from Cor. No. 4, Hermes lode. Value, \$100.
No. 28	A shaft, 4 ft. by 6 ft., 8 ft. deep, the center of which bears N. 62°30' W., 580 ft. from Cor. No. 4, Hermes lode. Value, \$100.
No. 1	A rotary drill hole, 5 inches in diameter, 20 ft deep, the center of which bears N. 23°02' E., 332 ft. from Cor. No. 2, Copper Hill Mill Site No. 4. Value, \$100.
No. 2	A rotary drill hole, 5 inches in diameter, 90 ft deep, the center of which bears N. 25°24' E., 2350 ft. from Cor. No. 2, Copper Hill Mill Site No. 4. Value, \$450.

FEET	
No. 1	The discovery point of the Copper Hill No. 2 lode, being on the lode line 100 ft. from the center of line 3-4. No value.
No. 2	A shaft, 4 ft. by 6 ft., 8 ft. deep, the center of which being on the lode line, 35 ft. from the center of line 1-2. Value, \$100.
No. 1	The discovery point of the Valley Copper No. 3 lode, being on the lode line 100 ft. from the center of line 1-2. No value.
No. 1	The discovery hole of the Valley Copper No 2 lode, the center of which being the discovery point, is on the lode line 100 ft. from the center of line 1-2; a percussion-drill hole 3 ins. in diameter, vertical, 12 ft. deep. Value, \$100.
A-1	A diamond-drill hole, 3 inches in diameter, vertical to a depth of 810 ft., the center of which bears N. 36°15' W., 365 ft. from Cor. No. 1, Jintown Copper No. 1 lode. Value, \$4000.
A-2	A diamond-drill hole, 3 inches in diameter, vertical to a depth of 1000 ft., the center of which bears N. 85°47' E., 136 ft. from Cor. No. 2, Jintown Copper No. 1 lode. Value, \$5000.
E-5	A diamond-drill hole, 3 inches in diameter, vertical to a depth of 358 ft., the center of which bears N. 85°00' W., 473 ft. from Cor. No. 4, Jintown Copper No. 1 lode. Value, \$1800.
E-7	A diamond-drill hole, 3 inches in diameter, vertical to a depth of 311 ft., the center of which bears N. 52°21' W., 621 ft. from Cor. No. 4, Jintown Copper No. 1 lode. Value, \$1500.
E-4	A diamond-drill hole, 3 inches in diameter, vertical to a depth of 424 ft., the center of which bears N. 46°32' W., 598 ft. from Cor. No. 1, Hermes No. 2 lode. Value, \$2100.
E-6	A diamond-drill hole, 3 inches in diameter, vertical to a depth of 141 ft., the center of which bears N. 42°58' W., 670 ft. from Cor. No. 1, Hermes No. 2 lode. Value, \$700.
	An interest in common improvements to the Copper Hill No. 2, Valley Copper No. 3, and Valley Copper No 2 lodes, described as follows:
A-3	A diamond-drill hole, 3 inches in diameter, vertical to a depth of 424 ft., the center of which bears N. 40°15' E., 192 ft. from Cor. No. 1, Copper Hill No. 2 lode. Value, \$4250.

FEET

A-4

A diamond-drill hole, 3 inches in diameter, vertical to a depth of 613 ft., the center of which bears N 43° 30' W., 114 ft. from Cor. No. 1, Copper Hill No. 2 lode.

Value, \$3050.

These improvements have been made for the development of the Copper Hill No. 2, Valley Copper No. 3, and Valley Copper No 2 lodes, which are three contiguous lode claims owned in common within the range of benefit of said lodes.

The ore currently being mined and processed from the body lying principally on the Hermes No. 2 and Jintown Copper No. 1 lodes is somewhat tabular in form, dipping at a low angle from the horizontal, to the Northwest, where it, as well as possible similar beds, can reasonably be expected to be encountered in the earth cut by these two holes, which afford the most practical and economical means of ascertaining facts concerning these formations at depth.

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

One-third value, \$2433.33

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

OTHER IMPROVEMENTS

Crushing equipment, conveyor belts, and a copper concentrator, together with auxiliary structures (shops, office trailers, tanks) and a water system. Improvements situated as shown on plat.

Claimant herein:

OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

The E'ly half-mile of the line common to Secs. 22 and 27 was found to be correct as approved. The SW most corner of said Sec. 22 falls in the center of the (oiled) County Road from Kingman to Chloride and had been obliterated. I re-set same from the record, by extending the line of the E'ly half-mile W'ly. The resulting point, which I marked with a track spike set in the center of the said County Road, checks well with nearby ties, also.

FIELD ASSISTANTS

- Jack Kesler . . . . . Transitman
- Hoyd J. Patty . . . . . Head Chainman
- Jerry D. Hill . . . . . Chainman
- Stephen L. Patty . . . . . Chainman
- Frank Kesler . . . . . Flagman

CERTIFICATE OF SURVEYOR

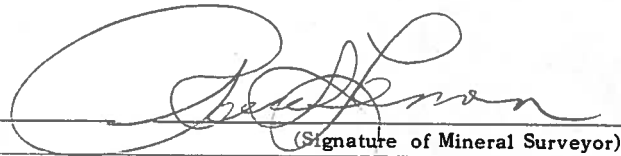
Name of Mineral Surveyor <b>ROBERT LENON</b>	Date June 28, 1973
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I HEREBY CERTIFY That in pursuance of an order received from the Bureau of Land Management, at Phoenix, Arizona, dated January 23, 1973, I have carefully executed the survey of the claim of the El Paso Natural Gas Co. known as the (lode, placer, or mill site) Emerald Isle Group situated in Secs. 22 and 27, Township 23 N., Range 18 W., Gila and Salt River Meridian, in the State of Arizona.

This survey, designated as number 4732A & B 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 (lode or placer) seven (7) lode and fifteen (15) Mill Site location(s) embraced in the said mining claim by claimant(s) 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.

Patagonia, Arizona  
(Location)

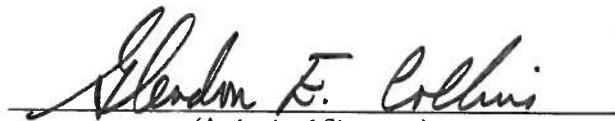


(Signature of Mineral Surveyor)

CERTIFICATE OF APPROVAL

Office Arizona State Office
Location Phoenix, Arizona
Date May 2, 1974

The foregoing field notes of mineral survey number 4732 A&B, in Sections 22 and 27, Range 18 W., Gila and Salt River Meridian, in the State of Arizona,  surveyed  unsurveyed Township 23 N., executed by Robert Lenon, Mineral Surveyor, under order dated January 23, 1973, having been critically examined and the necessary corrections made prior to their certification by the surveyor, the field notes and the survey therein described are hereby approved.

  
(Authorized Signature) Acting State Director  
Glendon E. Collins (Title)

CERTIFICATE OF TRANSCRIPT

I HEREBY 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)

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.

June 28, 1973

ROBERT LEMON

Bureau of Land  
Phoenix, Arizona

Management

January 23

The El Paso Natural Gas Co.

Emerald Isle Group

Secs. 22 and 27

23 N.

Arizona

WV32A & B

----- seven (7) logs and fifteen (15) mill site

x its

Peterson, Arizona

