

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4478

Arizona Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

BAGDAD COPPER CORPORATION

Known As The

PHENACITE, LEPIDOLITE, TUNGSTONA, BERYLLIONITE # 1, SCHEELITE, FLUORITE, WARM
SPRINGS, HUBNERITE #3 and BALLANCE ROCK lodes--Eureka Mining District,
Yavapai County, Arizona

Section 24, Township 15 N., Range 9 W.

Surveyed under order dated February 10, 1959
Order amended February 19, 1959

by Olaf Hondrum
Mineral Surveyor.

Claim located (See reverse), 19

Survey commenced February 20, 1959

Survey completed March 20, 1959

Address of claimant c/o Snell and Wilmer, Attorneys
Security Building
Phoenix, Arizona

DATES OF AMENDED LOCATIONS

(See reverse)

<u>Name of Claim</u>	<u>Location Date</u>	<u>Date of 1st Amendment</u>	<u>Date of 2nd Amendment</u>
Phenacite	3-15-52	-	-
Lepidolite	3-15-52	-	-
Tungstona	1-29-51	12-15-58	1-29-59
Beryllionite #1	8-24-49	12-15-58	1-29-59
Scheelite	7-24-52	-	-
Fluorite	7-24-52	-	-
Warm Springs	1-12-53	-	-
Hubnerite #3	8-24-49	12-15-58	1-29-59
Ballance Rock	1-29-51	12-15-58	1-29-59

Survey No. 4478

1

EXPLANATION

This survey was made with a K. & E. transit No. 129403, with horizontal limb 6.2 ins. diam., having two double opposite verniers, and full vertical circle, having one double vernier; the verniers read to one minute of arc; the eyepiece is equipped with a colored glass for making direct observations on the sun. The instrument was in good condition at the time of the survey and all adjustments were in good order.

All azimuths in this record were determined by the method of deflection angles referred to the meridian established by direct observation on the sun January 30, 1959, at Cor. No. 1 of the Phenacite lode, latitude $34^{\circ} 37' 10''$ N., longitude $113^{\circ} 09' 10''$ W., turning from a reference point in an easterly direction clockwise to the sun in the SE direction.

True bearing of the reference point: S. $89^{\circ} 59'$ E.

All lines and connections of this survey were measured with a Lufkin steel tape 300 ft. in length, graduated every foot, with the first and last foot graduated to tenths and hundredths; the tape was compared with a standard of the Arizona Highway Department and found correct.

Line 2-3 of the Phenacite lode was run by direct method. Due to the rugged nature of the ground, all other lines and connections were run by traverse methods, as shown by the calculation sheets herewith submitted.

The magnetic declination observed at each corner of the survey gave a uniform value of 15° E.

Survey No. 4478

PHENACITE LODGE

At Cor. No. 1 of the Phenacite lode, identical with the $\frac{1}{4}$ cor. of Secs. 24 and 25, T. 15 N., R. 9 W., G&SR Mer., a $1\frac{1}{2}$ -in. iron post, 15 ins. above ground, firmly set, marked and witnessed as described in the official record, I add marks PH-1-4478; from which

A granite ledge, 6 x 15 ft., 8 ft. high, bears N. $3^{\circ} 12'$ E., 26.7 ft. dist., mkd. XBO-PH-1-4478.

Thence north

605.0 Road, bears E. and W.

1000.0 Road, bears NW and SE.

1495.0 Cor. No. 2, identical with Cor. No. 1 of the Lepidolite lode of this survey.

Set a galvanized iron post, 30 ins. long, $1\frac{1}{2}$ ins. diam., 15 ins. in the ground, in concrete, with cap mkd. PH-2-L-1-4478; from which

A granite ledge 7 ft. wide, 5 ft. high, bears N. $51^{\circ} 20'$ W., 55.7 ft. dist., mkd. XBO-PH-2-4478.

Thence West

213.0 Road, bears NW and SE.

300.0	Lode line; discovery point bears South, 381.1 ft. dist.
300.0	Power line, bears N. and S.
584.0	8-in. water line, bears NW and SE.
600.0	Cor. No. 3, on line 1-2, Lepidolite lode of this survey.
	Set a galvanized iron post, 30 ins. long, 1½ ins. diam., 15 ins. in the ground, in concrete, with cap mkd. PH-3-4478; from which A granite ledge, 4 x 15 ft., 2 ft. high, bears S. 26° 41' W., 30.4 ft. dist., mkd. XBO-PH-3-4478.
	Thence South
325.0	Ridge, bears E. and W.
650.0	Ridge, bears E. and W.
1130.0	Wash, 20 ft. wide, course W.
1320.0	Wash, 10 ft. wide, course NW.
1358.0	Road, bears NW and SE.
1495.0	Cor. No. 4.
	Set a galvanized iron post, 30 ins. long, 1½ ins. diam., 15 ins. in the ground, in concrete, with cap mkd. PH-4-4478; from which A granite boulder, 4 x 8 ft., 4 ft. high, bears N. 49° 32' E., 42.5 ft. dist., mkd. XBO-PH-4-4478.
	Thence East
84.0	8-in. water line, bears NE and SW.
110.0	Power line, bears NE and SW.
300.0	Lode line; discovery point bears North, 1113.9 ft. dist.
310.0	Wash, 8 ft. wide, course NW.
600.0	Cor. No. 1, and place of beginning.
	LEPIDOLITE LODGE
	Beginning at Cor. No. 1 of the Lepidolite lode, identical with Cor. No. 2 of the Phenacite lode of this survey; from which The ¼ sec. cor. of Secs. 24 and 25 bears South, 1495.0 ft. dist.
	Thence West
213.0	Road, bears NW and SE.
300.0	Power line, bears N. and S.
584.0	8-in. water line, bears NW and SE.
600.0	Cor. No. 3 of the Phenacite lode of this survey.

924.0	Crest of hill.
1250.0	Ridge, bears NW and SE.
1500.0	Cor. No. 2. Set a galvanized iron post, 30 ins. long, 2 ins. diam., 15 ins. in the ground, in concrete, with cap mkd. L-2-4478; from which A granite ledge bears S. 53° 13' E., 14.3 ft. dist., mkd. XBO-L-2-4478.
220.0	Road, bears NE and SW.
300.0	Lode line; discovery point bears East, 1182 ft. dist.
335.0	Wash, 10 ft. wide, course E.
396.0	Base of cliff, bears E and W.
515.0	Edge of cliff, bears E. and W.
600.0	Cor. No. 3, identical with Cor. No. 4 of the Tungstona lode of this survey. Set a galvanized iron post, 30 ins. long, 2 ins. diam., 15 ins. in the ground, in concrete, with cap mkd. L-3-4478; from which A granite boulder, 6 x 15 ft., 3 ft. high, bears N. 6° 37' W., 16.7 ft. dist., mkd. XBO-L-3-4478.
269.0	Ridge, bears NW and SE. Thence East
984.0	8-in water line, bears N. and S.
991.0	Road, bears NE and SW.
1095.0	Road, bears NW and SE.
1235.0	Power line, bears N. and S.
1500.0	Cor. No. 4, identical with Cor. No. 1 of the Tungstona lode of this survey. Set a galvanized post, 30 ins. long, 2 ins. diam., 15 ins. in the ground, in concrete, with cap mkd. L-4-T-1-4478; from which A granite boulder, 6 x 8 ft., 3 ft. high, bears S. 13° 21' W., 60.9 ft. dist., mkd. XBO-L-4-4478.
180.0	Road, bears NW and SE. Thence South
300.0	Lode line; discovery point bears West, 318 ft. dist.
600.0	Cor. No. 1, and place of beginning.

Distance	Description
	TUNGSTONA LODE
	Beginning at Cor. No. 1, identical with Cor. No. 4 of the Lepidolite lode of this survey; from which
	The 1/4 sec. cor. of Secs. 24 and 25 bears South, 2095 ft. dist.
	Thence North
188.0	Base of cliff, bears E. and W.
300.0	Lode line; discovery point bears West, 1200 ft. dist.
600.0	Cor. No. 2, at base of cliff, identical with Cor. No. 1 of the Beryllionite #1 lode of this survey.
	Set a galvanized post, 30 ins. long, 2 ins. diam., 15 ins. in the ground, in concrete, with cap mkd. T-2-B-1-4478; from which
	A granite ledge, 15 ft. wide, 15 ft. high, bears N. 72° W., 3.2 ft. dist., mkd. T-2-4478.
	Thence West
250.0	Power line, bears N. and S.
320.0	Road, bears N. 22° E. and S. 22° W.
335.0	8-in. water line, bears NE and SW.
600.0	Cor. No. 4 of the Beryllionite #1 lode of this survey.
980.0	Crest of hill.
1500.0	Cor. No. 3.
	Set a galvanized iron post, 30 ins. long, 2 ins. diam., 15 ins. in the ground, in concrete, with cap mkd. T-3-4478; from which.
	A granite boulder, 2 x 2 ft., 2 ft. high, bears S. 60° 07' E., 19.4 ft. dist., mkd. XBO-T-3-4478.
	Thence South
300.00	Lode line; discovery point bears East, 300 ft. dist.
342.0	Wash, 10 ft. wide, course E.
474.0	Ridge, bears E. and W.
600.0	Cor. No. 4, identical with Cor. No. 3 of the Lepidolite lode of this survey.
	Thence East
269.0	Ridge, bears NW and SE.
984.0	8-in. water line, bears N. and S.
991.0	Road, bears NE and SW.
1095.0	Road, bears NW and SE.

1235.0	Power line; bears N. and S.
1500.0	Cor. No. 1, and place of beginning.
BERYLLIONITE #1 LODE	
Beginning at Cor. No. 1, identical with Cor. No. 2 of the Tungstona lode of this survey; from which	
The 1/4 sec. cor. of Secs. 24 and 25 bears South, 2695 ft. dist.	
Thence North	
150.0	Edge of cliff, bears NW and SE.
890.0	Rim of canyon, bears E. and W.
1015.0	Road, bears E. and W.
1140.0	Center of Boulder Creek, 25 ft. wide, course W.
1395.0	Rim of canyon, bears E. and W.
1497.0	Cor. No. 2, on line 4-1 of the Scheelite lode of this survey.
Set a galvanized iron post, 30 ins. long, 2 ins. diam., 15 ins. in the ground, in concrete, with cap mkd. B-2-4478; from which	
A granite ledge, 25 x 50 ft., 15 ft. high, bears S. 98° 22' E., 29.1 ft. dist., mkd. XBO-B-2-4478.	
Thence West	
170.40	Cor. No. 1 of the Hubnerite #3 lode, identical with Cor. No. 1 of the Ballance Rock lode, both of this survey.
300.00	Lode line; discovery point bears South, 420 ft. dist.
360.0	Cor. No. 1 of the Scheelite lode of this survey.
385.0	Power line, bears NW and SE.
570.0	8-in. water line, bears NW and SE.
600.0	Cor. No. 3.
Set a galvanized iron post, 30 ins. long, 2 ins. diam., 15 ins. in the ground, in concrete, with cap mkd. B-3-4478; from which	
A granite ledge, 6 x 20 ft., 9 ft. high, bears S. 16° 30' E., 46.9 ft. dist., mkd. XBO-B-3-4478.	
Thence South	
105.0	Rim of canyon, bears NE and SW.
230.0	Gully, 15 ft. wide, course SE.
415.0	Center of Boulder Creek, 25 ft. wide, course S. 75° W.
473.81	Intersect line 3-4 of the Ballance Rock lode of this survey.

720.0	Rim of canyon, bears NE and SW.
1235.0	Ridge, bears E. and W.
1497.0	Cor. No. 4, on line 2-3 of the Tungstona lode of this survey. Set a galvanized iron post, 30 ins. long, 2 ins. diam., 15 ins. in the ground, in concrete, with cap mkd. B-4-4478; from which A granite ledge, 3 x 10 ft., 5 ft. high, bears S. 16° 41' W., 19.0 ft. dist., mkd. KBO-B-4-4478.
	Thence East
265.0	8-in. water line, bears NE and SW.
280.0	Road, bears N. 22° E. and S. 22° W.
300.0	Lode line; discovery point bears North, 1077 ft. dist.
350.0	Power line, bears N. and S.
600.0	Cor. No. 1, and place of beginning.
	SHEELITE LODE
	Beginning at Cor. No. 1, on line 2-3 of the Beryllionite #1 lode of this survey. Set a galvanized iron post, 30 ins. long, 2 ins. diam., 15 ins. in the ground, in concrete, with cap mkd. S-1-4478; from which The 1/4 sec. cor. of Secs. 13 and 24, T. 15 N., R. 9 W., G&SR Mer., bears N. 18° 02' E., 511.6 ft. dist.; a 1 1/2 in. iron post, 15 ins. above ground, firmly set, marked and witnessed as described in the official record. Cor. No. 2 of the Beryllionite #1 lode of this survey bears East, 360.0 ft. dist. Cor. No. 1 of the Hubnerite #3 lode, identical with Cor. No. 1 of the Ballance Rock lode, both of this survey, bears East 189.6 ft. dist. A granite ledge, 5 x 12 ft., 5 ft. high, bears S. 63° 56' W., 20.5 ft. dist., mkd. XBO-S-1-4478.
	Thence North
76.35	Intersect line 1-2 of the Hubnerite #3 lode, identical with line 1-2 of the Ballance Rock lode, both of this survey.
255.0	Ridge, bears E. and W.
300.0	Lode line; discovery point bears East, 1456 ft. dist.
415.0	Road, bears NW and SE.
600.0	Cor. No. 2 Set a galvanized iron post, 30 ins. long, 2 ins. diam., 15 ins. in the ground, in concrete, with cap mkd. S-2-4478; from which

302.57	<p>A granite ledge, 7 x 20 ft., 3 ft. high, bears N. 81° 27' W., 42.8 ft. dist., mkd. XBO-S-2-4478. Thence East</p>
	Intersect line 3-4 of the Hubnerite #3 lode of this survey.
1362.0	Ridge, bears N. and S.
1500.0	Cor. No. 3, identical with Cor. No. 1 of the Fluorite lode and Cor. No. 1 of the Warm Springs lode, both of this survey.
	Set a galvanized iron post, 30 ins. long, 2 ins. diam., 15 ins. in the ground, in concrete, with cap mkd. S-3-F-1-WS-1-4478; from which
	<p>A granite boulder, 3 x 5 ft., 4 ft. high, bears N. 60° 55' E., 5.8 ft. dist., mkd. XBO-S-3-4478. Thence South</p>
215.0	4-in. water line, bears NW and SE.
262.0	Road, bears NW and SE.
300.0	Lode line; discovery point bears West, 44 ft. dist.
340.0	Road, bears NW and SE.
600.0	Cor. No. 4, identical with Cor. No. 2 of the Fluorite lode of this survey.
	Set a galvanized iron post, 30 ins. long, 2 ins. diam., 15 ins. in the ground, in concrete, with cap mkd. S-1-F-2-4478; from which
	<p>A granite boulder, 5 x 8 ft., 6 ft. high, bears N. 32° 10' E., 14.5 ft. dist., mkd. XBO-S-4-4478. Thence West</p>
264.0	Ridge, bears NW and SE.
600.0	Gully, 15 ft. wide, course SE.
802.0	Road, bears NE and SW.
1105.0	Ridge, bears N. and S.
1140.0	Cor. No. 2 of the Beryllionite #1 lode of this survey.
1310.40	Cor. No. 1 of the Hubnerite #3 lode, identical with Cor. No. 1 of the Ballance Rock lode, both of this survey.
1500.0	Cor. No. 1, and place of beginning.
FLUORITE LODE	
Beginning at Cor. No. 1, identical with Cor. No. 3 of the Scheelite lode and Cor. No. 1 of the Warm Springs lode, both of this survey; from which	

10

Survey No. 4478

8

	The cor. of Secs. 13 and 24, T. 15 N., R. 9 W., G&SR Mer., bears N. 71° 34' E., 1581.1 ft. dist; a 1½-in. iron post, 15 ins. above ground, firmly set, marked and witnessed as described in the official record.	
	Thence South	
215.0	4-in. water line, bears NW and SE.	
262.0	Road, bears NW and SE.	
300.00	Lode line; discovery point bears East, 117 ft. dist.	
340.0	Road, bears NW and SE.	
600.0	Cor. No. 2, identical with Cor. No. 4 of the Scheelite lode of this survey.	
	Thence East	
560.0	Warm Springs Creek, 15 ft. wide, course SW.	
850.0	Rim of canyon, bears NE and SW.	
1440.0	Crest of hill	
1500.0	Cor. No. 3.	
	Set a galvanized iron post, 30 ins. long, 2 ins. diam., 15 ins. in the ground, in concrete, with cap mkd. F-3-4478; from which	
	A granite boulder, 2 x 5 ft., 3 ft. high, bears N. 67° 00' W., 6.8 ft. dist., mkd. XBO-F-3-4478.	
	Thence North	
277.0	Cor. of secs. 31, T. 15 N., R. 8 W., and 19, T. 14½ N., R. 8 W.	
300.0	Lode line; discovery point bears West 1383 ft. dist.	
600.0	Cor. No. 4, identical with Cor. No. 4 of the Warm Springs lode of this survey.	
	Set a galvanized iron post, 30 ins. long, 2 ins. diam., 15 ins. in the ground, in concrete, with cap mkd. F-4-WS-4-4478; from which	
	A granite ledge, 5 x 12 ft., 8 ft. high, bears N. 20° 35' E., 7.9 ft. dist., mkd. XBO-F-4-4478.	
	Thence West	
598.0	Warm Springs Creek, 15 ft. wide, course S. 45° W.	
936.0	Power line, bears NE and SW.	
1085.0	Road, bears N. and S.	
1165.0	4-in. water line, bears N. and S.	
1360.0	Ridge, bears N. and S.	
1500.0	Cor. No. 1, and place of beginning.	

CHAINS	
	WARM SPRINGS LODE
	Beginning at Cor. No. 1, identical with Cor. No. 1 of the Fluorite lode and Cor. No. 3 of the Scheelite lode, both of this survey.
	Thence North
202.0	Lode line; discovery point bears East 980.4 ft. dist.
501.55	Cor. No. 2.
	Set a galvanized iron post, 30 ins. long, 2 ins. diam., 15 ins. in the ground, in concrete, with cap mkd. WS-2-4478; from which
	A granite boulder, 2 x 4 ft., 18 ins. high, bears S. 85° 20' W., 5.9 ft. dist., mkd. XBO-WS-2-4478.
	Thence S. 89° 56' E.
113.0	Ridge, bears N. and S.
690.0	Wash, 10 ft. wide, bears NW and SE.
1500.0	Cor. No. 3, identical with Cor. of Secs. 13 and 24, T. 15 N., R. 9 W., previously described, I-add marks WS-3-4478; from which
	A granite ledge, 30 x 40 ft., 25 ft. high, bears S. 62° 53' W., 13.5 ft. dist., mkd. XBO-WS-3-4478.
	Thence South
297.8	Lode line; discovery point bears West, 519.6 ft. dist.
325.0	Warm Springs Creek, 15 ft. wide, course SW.
499.80	Cor. No. 4, identical with Cor. No. 4 of the Fluorite lode of this survey.
	Thence West
598.0	Warm springs creek, 15 ft. wide, course S. 45° W.
936.0	Power line, bears NE and SW.
1085.0	Road, bears N. and S.
1165.0	4-in. water line, bears N. and S.
1360.0	Ridge, bears N. and S.
1500.0	Cor. No. 1, and place of beginning.
	HUBNERITE #3 LODE
	Beginning at Cor. No. 1, identical with Cor. No. 1 of the Ballance Rock lode, on line 2-3 of the Beryllionite #1 lode, both of this survey.
	Set a galvanized iron post, 30 ins. long, 2 ins. diam., 15 ins. in the ground, in concrete, with cap mkd. H-1-BR-1-4478; from which
	The $\frac{1}{4}$ sec. cor. of Secs. 13 and 24 bears N. 8° 46' E., 1118.5 ft. dist.

	<p>Cor. No. 2 of the Beryllionite #1 lode of this survey bears East, 170.40 ft. dist.</p> <p>A granite boulder, 5 x 7 ft., 5 ft. high, bears S. 41° 11' W., 28.6 ft. dist., mkd. XBO-H-1-4478.</p> <p>Thence N. 68° 04' W.</p>
164.0	Ridge, bears NE and SW.
204.40	Intersect line 1-2 of the Scheelite lode of this survey.
650.0	8-in. water line, bears NW and SE.
1500.0	<p>Cor. No. 2, identical with Cor. No. 2 of the Ballance Rock lode of this survey.</p> <p>Set a galvanized iron post, 30 ins. long, 2 ins. diam., 15 ins. in the ground, in concrete, with cap mkd. H-2-BR-2-4478; from which</p> <p>A granite ledge, 6 ft. wide, 5 ft. high, bears S. 64° 20' E., 7.1 ft. dist., mkd. XBO-H-2-4478.</p> <p>Thence N. 21° 56' E.</p>
300.0	Lode line; discovery point bears S. 68° 04' E., 300 ft. dist.
328.0	Base of cliff, bears E. and W.
585.0	<p>Cor. No. 3.</p> <p>Set a galvanized iron post, 30 ins. long, 2 ins. diam., 15 ins. in the ground, in concrete, with cap mkd. H-3-4478; from which</p> <p>A granite boulder, 6 x 10 ft., 5 ft. high, bears S. 13° 22' E., 24.9 ft. dist., mkd. XBO-H-3-4478.</p> <p>A location monument bears N. 21° 56' E., 15.0 ft. dist.</p> <p>Thence S. 68° 38' E.</p>
290.0	Ridge, bears NE and SW.
540.0	Road, bears N. and S.
850.0	Base of cliff, bears NE and SW.
1380.70	Intersect line 2-3 of the Scheelite lode of this survey.
1500.0	<p>Cor. No. 4.</p> <p>Set a galvanized iron post, 3 ft. long, 1½ ins. diam., 20 ins. in the ground, in concrete, with cap mkd. H-4-4478; from which</p> <p>A granite boulder, 5 x 10 ft., 7 ft. high, bears S. 73° 00' W., 12.8 ft. dist., mkd. XBO-H-4-4478.</p> <p>Thence S. 21° 56' W.</p>
150.0	4-in. water line, bears NE and SW.
290.0	Road, bears NW and SE.
300.0	Lode line; discovery point bears N. 68° 04' W., 1200 ft. dist.

360.0	Ridge, bears NE and SW.
600.0	Cor. No. 1, and place of beginning.
BALLANCE ROCK LODE	
	Beginning at Cor. No. 1, identical with Cor. No. 1 of the Hubnerite #3 lode of this survey.
	Thence N. 68° 04' W.
164.0	Ridge, bears NE and SW.
204.4	Intersect line 1-2 of the Scheelite lode of this survey.
650.0	8-in. water line, bears NW and SE.
1500.0	Cor. No. 2, identical with Cor. No. 2 of the Hubnerite #3 lode of this survey.
	Thence S. 21° 56' W.
170.0	Wash, 8 ft. wide, course NE.
300.0	Lode line; discovery point bears S. 68° 04' E., 1400 ft. dist.
374.0	Ridge, bears NE and SW.
600.0	Cor. No. 3.
	Set a galvanized iron post, 30 ins. long, 2 ins. diam., 15 ins. in the ground, in concrete, with cap mkd. BR-3-4478; from which
	A granite boulder, 2 x 3 ft., 3 ft. high, bears S. 31° 04' E., 19.0 ft. dist., mkd. XBO-BR-3-4478.
	Thence S. 68° 04' E.
1180.0	Boulder Creek, 25 ft. wide, course SW.
1278.45	Intersect line 3-4 of the Beryllionite #1 lode of this survey.
1500.0	Cor. No. 4.
	Set a galvanized iron post, 30 ins. long, 2 ins. diam., 15 ins. in the ground, in concrete, with cap mkd. BR-4-4478; from which
	A granite ledge bears S. 15° 16' W., 14.0 ft. dist., mkd. XBO-BR-4-4478.
	Thence N. 21° 56' E.
215.0	Boulder Creek, 25 ft. wide, course W.
300.0	Lode line; discovery point bears N. 68° 04' W., 100 ft. dist.
470.0	Rim of canyon, bears E. and W.
600.0	Cor. No. 1, and place of beginning.

Claims

AREAS

	Acres
Total area, Phenacite lode	20.592
Total area, Lepidolite lode	20.661
Total area, Tungstona lode	20.661
Total area, Beryllionite #1 lode	20.620
Area in conflict with Ballance Rock lode of this survey	3.862
Total area, Scheelite lode	20.661
Total area, Fluorite lode	20.661
Total area, Warm Springs lode	17.241
Total area, Hubnerite #3 lode	20.403
Area in conflict with Scheelite lode of this survey	4.045
Total area Ballance Rock lode	20.661
Area in conflict with Scheelite lode of this survey	0.166

LOCATION

This survey is located in the SW $\frac{1}{4}$, the NW $\frac{1}{4}$ and the NE $\frac{1}{4}$ of Sec. 24, T. 15 N., R. 9 W., G&SR Mer., Arizona.

The survey of the Phenacite, Lepidolite, Tungstona, Beryllionite #1, Scheelite, Fluorite and Ballance Rock lodes is identical with the respective locations or amended locations as marked on the ground. The survey of the Hubnerite #3 lode is wholly within the amended location as marked on the ground; Cors. Nos. 1, 2, and 4 are identical with the corners of the location. Cor. No. 3 differs to the extent previously shown. The survey of the Warm Springs lode is wholly within the location as marked on the ground. Cors. Nos. 2 and 3 are identical with the corners of the location; Cors. Nos. 1 and 4 were made identical with Cors. Nos. 1 and 4, respectively, of the Fluorite lode in order to avoid overlap of claims.

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 shaft of the Phenacite lode, the center of which being the discovery point, is on the lode line 381.1 ft. from the center of line 2-3, 5 x 8 ft., 10 ft. deep, bears S. 70° E.
Value, \$400.00
- No. 2 A cut bears S. 13° E., 403 ft. from the center of line 2-3, Phenacite lode, 5 x 10 ft., 70 ft. long, bears S. 65° E.
Value, \$200.00
- No. 1 The discovery cut of the Lepidolite lode, the north end of which being the discovery point, is on the lode line 318 ft. from the center of line 4-1, 6 x 10 ft., 3 ft. deep.
Value, \$50.00
- No. 2 A cut bears N. 86° 30' E., 380 ft. from the center of line 2-3, Lepidolite lode, 5 x 5 ft., 3 ft. deep.
Value, \$50.00
- No. 3 A cut, the W. end of which is on the lode line 360 ft. from the center of line 2-3, Lepidolite lode, 5 x 12 ft., bears N. 83° E., 60 ft.; thence N. 65° E., 40 ft.
Value, \$200.00

Chains

- No. 4 A cut bears N. 81° 30' E., 393 ft. from the center of line 2-3, Lepidolite lode, 5 x 12 ft., bears N. 70° E., 95 ft.; thence N. 66° E., 100 ft.
Value, \$350.00
- No. 1 The discovery point of the Tungstona lode is on the lode line 300 ft. from the center of line 3-4.
No value.
- No. 2 A cut bears N. 69° 30' W., 870 ft. from Cor. No. 1, Tungstona lode, 8 x 12 ft., 115 ft. long, bears N. 59° E., 100 ft.
Value, \$300.00
- No. 3 A cut is on the lode line 715 ft. from the center of line 1-2, Tungstona lode, 5 x 10 ft., 35 ft. long, bears W.
Value, \$100.00
- No. 4 A cut bears N. 75° W., 612 ft. from Con. No. 1, Tungstona lode, 5 x 8 ft., 70 ft. long, bears N. 48° W.
Value, \$200.00
- No. 5 A cut bears N. 28° W., 220 ft. from Con. No. 1, Tungstona lode, 3 x 10 ft., 25 ft. long, bears N. 43° E.
Value, \$25.00
- No. 6 A cut bears N. 73° E., 310 ft. from the center of line 3-4, Tungstona lode, 3 x 12 ft., 3 ft. deep, bears E.
Value, \$50.00
- No. 1 The discovery point of the Beryllionite No. 1 lode is on the lode line 420 ft. from the center of line 2-3.
No value.
- No. 1 The discovery cut of the Scheelite lode, the face of which is the discovery point, is on the lode line 44 ft. from the center of line 3-4, 5 x 15 ft., 9-foot face, bears E.
Value, \$250.00
- No. 1 The discovery point of the Fluorite lode is on the lode line 117 ft. from the center of line 1-2.
No value.
- No. 2 A cut bears N. 53° E., 60 ft. from Cor. No. 2, Fluorite lode, 6 x 12 ft., bears N. 75° E., 100 ft.; thence N. 42° E., 60 ft.; thence N. 12° W., 135 ft.
Value, \$300.00
- No. 3 A cut bears N. 60° 30' W., 890 ft. from Cor. No. 3, Fluorite lode, 9 x 12 ft., 50 ft. long, bears N. 33° E.
Value, \$100.00
- No. 4 A cut bears N. 68° W., 660 ft. from Cor. No. 3, Fluorite lode, 6 x 10 ft., bears N. 15° W., 80 ft.; thence N. 20° W., 100 ft.
Value, \$200.00
- No. 5 A cut bears N. 80° W., 570 ft. from Cor. No. 3, Fluorite lode, 6 x 12 ft., 30 ft. long, bears N. 11° W.
Value, \$50.00
- No. 1 The discovery point of the Warm Springs lode is on the lode line 519.6 ft. from a point on line 3-4, 202 ft. from Cor. No. 4.
No value.

Chains	Description	Value
No. 2	A cut bears S. 63° 30' W., 610 ft. from Cor. No. 3, Warm Springs lode, 5 x 15 ft., 9-foot face, bears N. 60° E.	\$150.00
No. 3	A cut bears S. 78° 30' W., 590 ft. from Cor. No. 3, Warm Springs lode, 5 x 10 ft., 35 ft. long, bears S. 30° E.	\$75.00
No. 4	A cut bears S. 59° W., 550 ft. from Cor. No. 3, Warm Springs lode, 6 x 12 ft., 50 ft. long, bears N. 42° W.	\$100.00
No. 5	A cut bears S. 74° 30' W., 920 ft. from Cor. No. 3, Warm Springs lode, 3 x 8 ft., 35 ft. long, bears N. 34° W.	\$25.00
No. 6	A cut bears N. 87° 30' W., 805 ft. from Cor. No. 4, Warm Springs lode, 10 x 12 ft., 25 ft. long, bears N. 20° W.	\$150.00
No. 7	A cut bears N. 80° W., 475 ft. from Cor. No. 4, Warm Springs lode, 4 x 10 ft., 60 ft. long, bears S. 54° W.	\$100.00
No. 1	The discovery cut of the Hubnerite #3 lode, the face of which is the discovery point, is on the lode line 300 ft. from a point on line 2-3, 300 ft. from Cor. No. 2, 4 x 8 ft., 5-foot face, bears S. 10° W.	\$75.00
No. 1	The discovery point of the Ballance Rock lode is on the lode line 100 ft. from the center of line 4-1.	
No. 2	A cut is on the lode line 670 ft. from the center of line 4-1, Ballance Rock lode, 5 x 5 ft., 6-foot face, bears N. 73° E.	\$50.00
No. 3	A cut bears N. 54° 30' W., 812 ft. from Cor. No. 4, Ballance Rock lode, 2 x 12 ft., 5-foot face, bears N. 52° W.	\$50.00
No. 4	A cut bears S. 65° E., 296 ft. from Cor. No. 2, Ballance Rock lode, 5 x 6 ft., 5-foot face, bears N. 63° E.	\$75.00

COMMON IMPROVEMENTS

An interest in common improvements to Beryllionite #1, Ballance Rock, Hubnerite #3 and Scheelite lodes described as follows:

- A tunnel, 6 x 8 ft. in size, the portal of which bears N. 1° 07' E., 275.96 ft. from Cor. No. 4, Ballance Rock lode,
- Thence N. 11° 02' W., 229.98 ft. to Sta. 1
- Thence N. 15° 18' W., 484.18 ft. to Sta. 2
- Thence N. 60° 56' W., 154.88 ft. to Sta. 3
- Thence N. 63° 31' W., 37.47 ft. to Sta. 4
- Thence N. 81° 59' W., 121.90 ft. to Sta. 5
- Thence N. 50° 29' W., 64.73 ft. to Sta. 6
- Thence N. 61° 05' W., 115.73 ft. to Sta. 7
- Thence N. 49° 22' W., 104.89 ft. to Sta. 8
- Thence N. 73° 49' W., 130.18 ft. to Sta. 9
- Thence N. 72° 05' W., 40.81 ft. to Sta. 10

Chains

Thence N. 86° 55' W., 38.39 ft. to Sta. 11 — x

Thence N. 59° 30' W., 133.0 ft. to face.

From Sta. 2, N. 11° 40' W., 183 ft. to face.

From Sta. 2, S. 61° 35' E., 300 ft. to face.

From Sta. 3, S. 47° 54' W., 151.1 ft. to center of shaft.

From Sta. 11, S. 39° 15' W., 28 ft. to face.

From Sta. 6 + 26, N. 24° 35' W., 85 ft. to face.

A shaft, the center of which bears S. 82° 46' W., 761.0 ft. from Cor. No. 4 of the Hubnerite #3 lode, 6 x 14 ft., 560 ft. deep.

A drift, 180 ft. below tunnel level, 6 x 8 ft. in size, 850 ft. in length, extending 530 ft. westerly from the shaft and 320 ft. easterly from the shaft.

A stoping section on tunnel level, 450 ft. long, 70 ft. high.

A stoping section on drift level, 100 ft. long, 90 ft. high.

Value of tunnel, shaft, drift, and stopes, \$98,750.00

Value of one-fourth interest, \$24,687.50

The surface rises rapidly to the north from the tunnel portal. The shaft, together with lateral extensions from the tunnel and drift, afford the most economical means for development of each of the stated lodes.

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

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

OTHER IMPROVEMENTS

A steel frame mill building, the NE cor. of which bears S. 22° W. 66 ft. from Cor. No. 2 of the Scheelite lode, 75 x 100 ft. in size, the long sides bears N. 79° W.

Claimant herein.

A wood frame building, the NE cor. of which bears S. 77° W., 280 ft. from Cor. No. 2 of the Scheelite lode, 20 x 80 ft. in size, the long sides bear N. 70° W.

Claimant herein.

A water tank, the center of which bears S. 17° W., 255 ft. from Cor. No. 2 of the Scheelite lode, 105,000 gals. capacity.

Claimant herein.

A water tank, the center of which bears S. 38° W., 270 ft. from Cor. No. 2 of the Scheelite lode, 105,000 gals. capacity.

Claimant herein.

A cylindrical ore bin, the center of which bears S. 66° W., 380 ft. from Cor. No. 2 of the Scheelite lode; 20 ft. diam.

Claimant herein.

Chains

A cylindrical ore bin, the center of which bears S. 40° 30' W., 195 ft. from Cor. No. 2 of the Scheelite lode, 20 ft. diam.

Claimant herein.

A bridge spanning Boulder Creek, bears N. 7° E., 160 ft. from Cor. No. 4 of the Ballance Rock lode, 80 ft. long, bears N. 10° W.

Claimant herein.

A well, 200 ft. deep, bears N. 71° 20' W., 521 ft. from Cor. No. 4 of the Warm Springs lode.

Claimant herein.

OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

The cor. of Townships 14½ and 15 N., Range 8 W., is an iron post, 3 ins. diam., firmly set and properly marked as described in the official record.

The line between Townships 14½ and 15 N., Range 8 W. and the cor. of secs. 13 and 24, T. 15 N., R. 9 W. was found to be north, 822.8 ft. instead of north 818.4 ft. as recorded.

The east half of the line between secs. 13 and 24, T. 15 N., R. 9 W., was found to be N. 89° 53' W., 2640 ft. instead of N. 89° 58' W., 2640 ft., as recorded.

FIELD ASSISTANTS

Name Capacity

Raymond G. Contreras

Head Chainman

Glenn Lyle Gest

Chainman

OTHER IMPROVEMENTS

A steel frame mill building, the NE cor. of which bears S. 22° W. 60 ft. from Cor. No. 2 of the Scheelite lode, 12 x 100 ft. in size, the four sides bear N. 79° W. Claimant herein.

A wood frame building, the NE cor. of which bears S. 7° W. 289 ft. from Cor. No. 2 of the Scheelite lode, 50 x 80 ft. in size, the four sides bear N. 70° W. Claimant herein.

A water tank, the center of which bears S. 17° E. 212 ft. from Cor. No. 2 of the Scheelite lode, 10,000 gals. capacity. Claimant herein.

A water tank, the center of which bears S. 38° W. 170 ft. from Cor. No. 2 of the Scheelite lode, 10,000 gals. capacity. Claimant herein.

A cylindrical ore bin, the center of which bears S. 50° W. 390 ft. from Cor. No. 2 of the Scheelite lode, 20 ft. diam. Claimant herein.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

May 25, 1959

I, Olaf Hondrum,
 Mineral Surveyor, hereby certify upon honor that in pursuance of an/amended order received from the _____
 Office Cadastral Engineer, at Phoenix, Arizona
 dated February 19, 1959, I have faithfully and correctly executed the survey of
 the mining claim of Bagdad Copper Corporation,
 known as the Phenacite, Lepidolite, Tungstona, Beryllionite #1, Scheelite, Fluorite,
Warm Springs, Hubnerite #3 and Ballance Rock (Lode, placer, or mill site)
 situate in Eureka Mining District, Yavapai County, Section 24,
 T. 15 N., R. 9 W., Gila & Salt River Meridian, Arizona, and
 (State)
 designated as Survey No. 4478, which is represented in the foregoing field notes as having been
 executed by me and under my direction, and that said survey has been made in strict conformity with said order,
 the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner
 described in the foregoing field notes, and I do further certify that the labor expended and improvements made
 upon or for the benefit of the above-named lode location(s) embraced in the said mining claim by
 (Lode or placer)
 claimant(s) or its grantors are fully stated in my report therein, and that the character,
 extent, location, and itemized value thereof are specified therein with particularity and full detail, and that no
 portion of, or interest in, said labor and improvements so credited to this claim has been included in the estimate
 of expenditures upon any other claim.

Phoenix, Arizona
(Place)

Olaf Hondrum
 (Mineral Surveyor)
 Olaf Hondrum

CERTIFICATE OF APPROVAL

Bureau of Land Management--Cadastral Survey Office
 (Office)
Phoenix, Arizona November 16, 1959
 (Place) (Date)

The foregoing field notes of mineral survey No. 4478, in
Section 24, T. 15 North, R. 9 West, Gila and Salt River Meridian,
Arizona, executed by Olaf Hondrum, Mineral Surveyor,
 (State)
 under/order dated February 19, 1959, 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.

Lester S. Mann
 Lester S. Mann
 Office Cadastral Engineer
 (Title)

CERTIFICATE OF TRANSCRIPT

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

 (Title)

UNITED STATES DEPARTMENT OF THE INTERIOR 9605 (956)
BUREAU OF LAND MANAGEMENT M.S. 4478
ARIZONA STATE OFFICE

NOTICE OF CANCELLATION OF MINERAL SURVEY

The Beryllionite (#1), Hubnerite #3, Tungstona, Ballance Rock, Warm Springs, LEPIDOLITE, PHENACITE, FLUORITE, and Scheelite lodes, Mineral Survey No. 4478, located in section 24, Township 15 North, Range 9 West, Gila and Salt River Meridian, Arizona, are hereby canceled.


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

This cancellation was necessitated to clear the record.

The Mineral Survey Plat should be noted as follows:

"Beryllionite (#1), Hubnerite #3, Tungstona, Ballance Rock, Warm Springs, LEPIDOLITE, PHENACITE, FLUORITE, and Scheelite lodes,, M.S. 4478, were canceled April 20, 2009, by memo 9605 (956) M.S. 4478, which is now a part of the original field notes."

April 20, 2009
Date



Chief Cadastral Surveyor of Arizona

