



CLAIM LOCATED

Side Ridge No. 1	March 6, 1956
Hex Ridge No. 1	May 4, 1956
Hex Ridge #4	March 7, 1956
Hex Ridge No. 5	March 7, 1956
Hex Ridge #6	March 7, 1956
Hex Ridge #9	March 7, 1956
Hex Ridge No. 10	March 7, 1956
Hex Ridge #11	March 7, 1956
Johnny	March 8, 1956
Carola	March 8, 1956
Chuqui	March 7, 1956
Phoebe	March 7, 1956
Robin	March 7, 1956
Robin No. 1	May 1, 1956

DATES OF AMENDED LOCATIONS

Side Ridge No. 1	March 25, 1958
Side Ridge No. 1	September 15, 1958
Hex Ridge No. 1	September 15, 1958
Hex Ridge #4	September 15, 1958
Hex Ridge No. 5	September 15, 1958
Hex Ridge #6	September 15, 1958
Hex Ridge #9	September 15, 1958
Hex Ridge No. 10	September 15, 1958
Hex Ridge #11	September 15, 1958
W. Shakespear	September 15, 1958

## Survey No. 4456

Chains	<p>This survey was made with a Hilger &amp; Watts Microptic Theodolite, No. 104104. The verniers read to twenty seconds with an estimation to the closest five seconds; the eye-piece is equipped with a colored shade for making direct observations upon the sun. The instrument was in good condition at the time of the survey and all adjustments were in good order.</p> <p>All azimuths in this record were determined by the method of deflection angles referred to the meridian established by direct observation on the sun, November 7, 1958, at cor. No. 3 of the Hex Ridge No. 9 lode, latitude <math>32^{\circ}56'33''</math>N., longitude <math>109^{\circ}36'51''</math>W., turning from a reference point counter clockwise to the sun in the south east.</p> <p>True bearing of the reference point <math>N.78^{\circ}58'18''</math>E.</p> <p>The lines were measured with a Lufkin steel tape 300 ft. in length, graduated every foot for 300 ft. and a Dietzgen steel tape 8 ft. in length, graduated to feet, tenths and hundredths; both tapes were compared with a certified tape No. 10839 at the time of beginning the survey and found correct.</p> <p>All lines and connections of this survey were run by direct methods except those connections as shown by the calculation sheets herewith submitted.</p> <p>The magnetic declinations at each corner of the survey gave a uniform value of <math>14^{\circ}30'</math>E.</p>	1.
Feet	<p>--- HEX RIDGE NO. 1 LODE</p> <p>Beginning at cor. No. 1 of the Hex Ridge No. 1 lode, identical with cor. No. 1 of Hex Ridge #. 6 lode of this survey.</p> <p>Set a <math>2\frac{1}{2}</math> in. lead disc bolted to a 24 x 14 x 20 in. stone 16 ins. in ground, witnessed by a 4 ft. x 4 ft. mound of stone, mkd. H.R. 1-1, H.R. 6-1-4456; from which</p> <p>The Sec. cor. of Secs. 31 &amp; 32 T.5S., R.27E., G.&amp; S.R. Mer., bears, <math>N.65^{\circ}37'19''</math>E., 220.42 ft. dist., an 8 x 12 in. stone, 8 ins. above ground firmly set and mkd. as described in the official record.</p> <p>Thence <math>N.10^{\circ}36'11''</math>W.</p> <p>600.00 Intersect cor. No. 4 of the Hex Ridge #. 6 lode, identical with cor. No. 3 of the Hex Ridge No. 5 lode of this survey.</p> <p>1158. Road, bears <math>S.80^{\circ}</math>E., &amp; <math>N.80^{\circ}</math>W.</p> <p>1200.00 Intersect cor. No. 2 of the Hex Ridge No. 5 lode, identical with cor. No. 4 of the Hex Ridge #. 4 lode of this survey.</p> <p>1390. Wash, 10 ft. wide, course <math>N.85^{\circ}</math>E.</p> <p>1500.00 Cor. No. 2</p> <p>Set a <math>2\frac{1}{2}</math> in. lead disc bolted to a 24 x 10 x 20 in. stone 16 ins. in ground, witnessed by a 4 ft. x 4 ft. mound of stone, mkd. H.R. 1-2, 4456.</p>	

## Survey No. 4456

Chains Feet		2.
	Thence N.79°18'02"E.	
114.	Wash, 4 ft. wide, course South.	
300.00	Lode line; discovery point bears S.10°36'11"E., 40 ft. dist.	
487.81	Intersect Sec. line at a point from which the Sec. cor. Sec. 31 and 32, T.5S., R.27E., G.&S.R., Mer., a 8 x 12 stone 8 ins. above ground firmly set and mkd as described in official record, bears S.0°05'57"W., 1473.97 ft. dist.	
600.00	Cor. No. 3.  Set a 2½ in. lead disc bolted to a 24 x 12 x 19 in. stone 16 ins. in ground, witnessed by a 4 ft. x 4 ft. mound of stone, mkd. H.R. 1-3-4456.	
330.	Thence S.10°36'11"E., Wash, 12 ft. wide, course S.80°E.	
347.	Road, bears S.40°W. & N.40°E.	
1500.00	Cor. No. 4.  Set a 2½ ins. lead disc bolted to a 24 x 10 x 21 in. stone 16 ins. in ground, witnessed by a 4 ft. x 4 ft. mound of stone, mkd. H.R. 1-4-4456.	
	Thence S.79°18'02"W.	
114.48	Intersect Sec. line at a point from which the Sec. cor. Sec. 31 & 32, T.5S., R.27E., bears N.89°49'33"W., 276.31 ft. dist.	
300.00	Lode line; discovery point bears N.10°36'11"W., 1460 ft. dist.	
600.00	Cor. No. 1, and the point of beginning.	
HEX RIDGE #. 6 LODGE		
	Beginning at cor. No. 1 of the Hex Ridge #. 6 lode, identical with cor. No. 1 with Hex Ridge No. 1 lode of this survey.	
	Thence S.78°58'18"W.	
1500.00	Cor. No. 2, identical with cor. No. 4 of Hex Ridge #. 11 lode, and cor. No. 2 of Side Ridge No. 1 lode of this survey.  Set a 2½ in. lead disc bolted to a 24 x 11 x 20 in. stone 16 ins. in ground, witnessed by a 4 ft. x 4 ft. mound of stone, mkd. H.R. 6-2-HR. 11-4-S.R. 1-2-4456.	
	Thence N.10°36'11"W.	
300.00	Lode line; discovery point bears N.78°58'18"E., 90 ft. dist.	

## Survey No. 4456

Chains 600.00	<p>Cor. No. 3, identical with cor. No. 4 of Hex Ridge No. 5 lode, cor. No. 2 of Hex Ridge No. 10 lode, and cor. No. 3 of Hex Ridge #. 11 lode of this survey.</p> <p>Set a 2½ in. lead disc bolted to a 24 x 10 x 21 in. stone 16 ins. in ground, witnessed by a 4 ft. x 4 ft. mound of stone, mkd. H.R. 6-3-H.R. 5-4-H.R.10-2-H.R. 11-3-4456.</p> <p>Thence N.78°58'18"E.</p>	3.
956.	Wash, 3 ft. wide, course N.10°E.	
1500.00	<p>Cor. No. 4, identical with cor. No. 3 of Hex Ridge No. 5 lode and on line 1-2 of Hex Ridge No. 1 lode, both of this survey.</p> <p>Set a 2½ in. lead disc bolted to a 24 x 10 x 20 in. stone 16 ins. in ground, witnessed by a 4 ft. x 4 ft. mound of stone, mkd. H.R. 6-4- H.R. 5-3-4456.</p> <p>Thence S.10°36'11"E.</p>	
300.00	Lode line; discovery point bears S.78°58'18"W., 1410 ft. dist.	
600.00	Cor. No. 1, and point of beginning.	
<b>HEX RIDGE NO. 5 LODE</b>		
<p>Beginning at cor. No. 1 of the Hex Ridge No. 5 lode, identical with cor. No. 1 of Hex Ridge # 4 lode, cor. No. 1 of Hex Ridge #. 9 lode, and cor. No. 1 of Hex Ridge No. 10 lode, of this survey.</p>		
<p>Set a 2½ in. lead disc bolted to a 24 x 10 x 20 in. stone 16 ins. in ground, witnessed by a 4 ft. x 4 ft. mound of stone, mkd. H.R. 5-1-H.R. 4-1-H.R. 9-1-H.R.10-1-4456 from which</p>		
<p>The S. ¼ cor. Sec. 31 T.5S., R.27E., G.&amp;S.R. Mer., bears S.42°53'40"W., 1083.31 ft. dist., a 1 in. I.P. with Brass Cap 12 in. above ground firmly set and mkd. as described in the official record.</p>		
Thence N.78°58'18"E.		
98.	Wash, 3 ft. wide, course N.7°E.	
1281.	Wash, 4 ft. wide, course N.25°W.	
1392.	Road, bears N.65°W: & S:65°E:	
1500.00	<p>Cor. No. 2, identical with cor. No. 4 of the Hex Ridge #. 4 lode, on line 1-2 of the Hex Ridge No. 1 lode of this survey.</p> <p>Set a 2½ in. lead disc bolted to a 24 x 11 x 19 in. stone 16 ins. in ground, witnessed by a 4 ft. x 4 ft. mound of stone mkd. H.R. 5-2-H.R. 4-4-4456.</p> <p>Thence S.10°36'11"E.</p>	

## Survey No. 4456

Chains Feet		
42.	Road, bears N.80°W. & S.80°E.	
300.00	Lode line; discovery point bears S.78°58'18"W., 1400 ft. dist.	
600.00	Cor. No. 3 identical with cor. No. 4 of Hex Ridge # 6 lode of this survey on line 1-2 of Hex Ridge No. 1 lode of this survey. Thence S.78°58'18"W.	
544.	Wash, 3 ft. wide, course N.10°E.	
1500.00	Cor. No. 4, identical with cor. No. 3 of the Hex Ridge # 11 lode, cor. No. 3 of the Hex Ridge # 6 lode and cor. No. 2 of the Hex Ridge No. 10 lode of this survey. Thence N.10°36'11"W.,	
300.00	Lode line; discovery point bears N.78°58'18"E., 100 ft. dist.	
600.00	Cor. No. 1, and point of beginning.	
HEX RIDGE # 4 LODE		
	Beginning at cor. No. 1 of the Hex Ridge # 4 lode, identical with cor. No. 1 of the Hex Ridge No. 5 lode, cor. No. 1 of the Hex Ridge No. 10 lode and cor. No. 1 of the Hex Ridge # 9 lode of this survey. Thence N.10°36'11"W.	
300.00	Lode line; discovery point bears N.78°58'18"E., 50 ft. dist.	
508.	Wash, 6 ft. wide, course N.70°E.	
600.00	Cor. No. 2, identical with cor. No. 4 of Hex Ridge # 9 lode of this survey. Set a 2½ in. lead disc bolted to a 24 x 11 x 20 in. stone 16 ins. in ground; witnessed by a 4 ft. x 4 ft. mound of stone, mkd. H.R. 4-2-H.R. 9-4-4456. Thence N.78°58'18"E.	
288.	Wash, 4 ft. wide, course S.45°E.	
345.	Road, bears S.55°E. & N.55°W.	
1500.00	Cor. No. 3 Set a 2½ in. lead disc bolted to a 24 x 10 x 22 in. stone 16 ins. in ground, witnessed by a 4 ft. x 4 ft. mound of stone, mkd. H.R. 4-3-4456. Thence S.10°36'11"E.	
300.00	Lode line; identical with cor. No. 2 of Hex Ridge No. 1 lode of this survey, discovery point bears S.78°58'18"W., 1450 ft. dist.	

4.

## Survey No. 4456

Chains Feet		Chains Feet	5.
410.	Wash, 10 ft. wide, course N.85°E.		
600.00	Cor. No. 4, identical with cor. No. 2 of Hex Ridge No. 5 lode, of this survey on line 1-2 of Hex Ridge No. 1 lode of this survey.		
	Thence S.78°58'18"W.		
108.	Road, bears N.65°W. & S.65°E.		
219.	Wash, 4 ft. wide, course N.25°W.		
1402.	Wash, 3 ft. wide, course N.7°E.		
1500.00	Cor. No. 1, and point of beginning.		
HEX RIDGE #. 9 LODE			
	Beginning at cor. No. 1 of the Hex Ridge #. 9 lode, identical with cor. No. 1 of Hex Ridge #. 4 lode, cor. No. 1 of Hex Ridge No. 5 lode, and cor. No. 1 of Hex Ridge No. 10 lode of this survey.		
	Thence S.78°58'18"W.		
890.	Wash, 5 ft. wide, course N.40°E.		
1303.20	Intersect line 3-4 of the Johnny lode of this survey.		
1500.00	Cor. No. 2, identical with cor. No. 4 of Hex Ridge No. 10 lode of this survey.		
	Set a 2½ in. lead disc bolted to a 24 x 11 x 20 in. stone 16 ins. in ground, witnessed by a 4 ft. x 4 ft. mound of stone, mkd. H.R. 9-2-H.R. 10-4-4456.		
	Thence N.10°36'11"W.		
106.51	Intersect line 2-3 of the Johnny lode of this survey,		
300.00	Lode line; discovery point bears N.78°58'18"E., 1485 ft. dist.		
600.00	Cor. No. 3.		
	Set a 2½ in. lead disc bolted to a 24 x 10 x 20 in. stone 16 ins. in ground, witnessed by a 4 ft. x 4 ft. mound of stone, mkd. H.R. 9-3-4456.		
	Thence N.78°58'18"E.		
1500.00	Cor. No. 4, identical with cor. No. 2 of Hex Ridge #. 4 lode of this survey.		
	Thence S.10°36'11"E.		
92.	Wash, 6 ft. wide, course N.70°E.		
300.00	Lode line; discovery point bears S.78°58'18"W., 15 ft. dist.		
600.00	Cor. No. 1, and point of beginning.		

## Survey No. 4456

Chains  
Feet

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## HEX RIDGE NO. 10 LODE

Beginning at cor. No. 1 of the Hex Ridge No. 10 lode, identical with cor. No. 1 of the Hex Ridge #. 9 lode, cor. No. 1 of the Hex Ridge # 4 lode and cor. No. 1 of the Hex Ridge No. 5 lode of this survey.

Thence S.  $10^{\circ}36'11''$ E.

300.00 Lode line; discovery point bears S.  $78^{\circ}58'18''$ W., 50 ft. dist.

600.00 Cor. No. 2, identical with cor. No. 4 of the Hex Ridge No. 5 lode, cor. No. 3 of the Hex Ridge #. 6 lode, cor. No. 3 of the Hex Ridge #. 11 lode of this survey.

Thence S.  $78^{\circ}58'18''$ W.

793.45 Intersect line 2-3 of the Chuqui lode of this survey.

1380. Wash, 4 ft. wide, course N.  $40^{\circ}$ E.

1397.42 Intersect line 1-2 of the Chuqui lode identical with line 4-1 of the Johnny lode of this survey.

1500.00 Cor. No. 3, identical with cor. No. 2 of the Hex Ridge # 11 lode of this survey.

Set a  $2\frac{1}{2}$  in. lead disc bolted to a 24 x 11 x 19 in. stone 16 ins. in ground, witnessed by a 4 ft. x 4 ft. mound of stone, mkd. H.R. 10-3-H.R. 11-2-4456.

Thence N.  $10^{\circ}36'11''$ W.

300.00 Lode line; discovery point bears N.  $78^{\circ}58'18''$ E., 1450 ft. dist.

600.00 Cor. No. 4, identical with cor. No. 2 of Hex Ridge # 9 lode of this survey.

Thence N.  $78^{\circ}58'18''$ E.

196.80 Intersect line 3-4 of the Johnny lode of this survey.

610. Wash, 5 ft. wide, course N.  $40^{\circ}$ E.

1500.00 Cor. No. 1, and point of beginning.

## HEX RIDGE #. 11 LODE

Beginning at cor. No. 1 of the Hex Ridge #. 11 lode, identical with cor. No. 1 with Side Ridge No. 1 lode of this survey.

Set a  $2\frac{1}{2}$  in. lead disc bolted to a 24 x 10 x 20 in. stone 16 ins. in ground, witnessed by a 4 ft. x 4 ft. mound of stone, mkd. H.R. 11-1-S.R. 1-1-4456 from which

The S.  $\frac{1}{4}$  cor. of Sec. 31, T.5S., R.27E., G.&S.R. Mer., bears N.  $37^{\circ}23'05''$ E., 846.77 ft. dist.

Thence N.  $10^{\circ}36'11''$ W.



## Survey No. 4456

Chains Feet	
300.00	Lode line; discovery point bears N.78°58'18"E., 1400 ft. dist.
490.	Wash, 3 ft. wide, course N.40°E.
511.61	Intersect line 1-2 of the Chuqui lode identical with line 4-1 of the Johnny lode of this survey.
600.00	Cor. No. 2, identical with cor. No. 3 of the Hex Ridge No. 10 lode of this survey.
	Thence N.78°58'18"E.
102.58	Intersect line 1-2 of the Chuqui lode identical with line 4-1 of the Johnny lode of this survey.
120.	Wash, 4 ft. wide, course N.40°E.
706.55	Intersect line 2-3 of the Chuqui lode of this survey.
1500.00	Cor. No. 3, identical with cor. No. 2 of the Hex Ridge No. 10 lode, cor. No. 4 of the Hex Ridge No. 5 lode, and cor. No. 3 of the Hex Ridge #. 6 lode of this survey. Thence S.10°36'11"E.
300.00	Lode line; discovery point bears S.78°58'18"W., 100 ft. dist.
600.00	Cor. No. 4, identical with cor. No. 2 of the Hex Ridge #. 6 lode, cor. No. 2 of the Side Ridge No. 1 lode of this survey. Thence S.78°58'18"W.
1171.21	Intersect line 3-4 of the Chuqui lode of this survey.
1500.00	Cor. No. 1, and point of beginning.
	SIDE RIDGE NO. 1 LODE
	Beginning at cor. No. 1 of the Side Ridge No. 1 lode, identical with cor. No. 1 of the Hex Ridge #. 11 lode of this survey. Thence N.78°58'18"E.
328.79	Intersect line 3-4 of the Chuqui lode of this survey.
1500.00	Cor. No. 2, identical with cor. No. 4 of the Hex Ridge #. 11 lode, and cor. No. 2 of the Hex Ridge #. 6 lode of this survey. Thence S.10°36'11"E.
300.00	Lode line; discovery point bears S.78°58'18"W., 50 ft. dist.
600.00	Cor. No. 3. Set a 2½ in. lead disc bolted to a 24 x 12 x 20 in. stone 16 ins. in ground, witnessed by a 4 ft. x 4 ft. mound of stone, mkd. S.R. 1-3-4456.

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## Survey No. 4456

Chains Feet		8.
	Thence S.78°58'18"W.	
1225.93	Intersect line 1-2 of the Robin lode of this survey.	
1500.00	Cor. No. 4.	
	Set a 2½ in. lead disc bolted to a 24 x 10 x 21 in. stone 16 ins. in ground, witnessed by a 4 ft. x 4 ft. mound of stone, mkd. S.R. 1-4-4456.	
	Thence N.10°36'11"W.	
300.00	Lode line; discovery point bears N.78°58'18"E., 1450 ft. dist.	
316.70	Intersect line 3-4 of the Chuqui lode, identical with line 4-1 of the Robin lode, of this survey,	
600.00	Cor. No. 1, and point of beginning.	
JOHNNY LODGE		
	Beginning at cor. No. 1 of the Johnny lode, identical with cor. No. 1 of the Chuqui lode, cor. No. 1 of the Phoebe lode and cor. No. 1 of the Carola lode of this survey.	
	Set a 2½ in. lead disc bolted to a 24 x 10 x 20 in. stone 16 ins. in ground, witnessed by a 4 ft. x 4 ft. mound of stone, mkd. J-1-C-1-P-1-Cal-4456, from which	
	The S. ¼ cor. of Segs. 31, T.5S., R.27E., G.&S.R. Mer., bears N.53°07'00"E., 1461.05 ft. dist.	
	Thence N.51°07'53"W.	
300.00	Lode line; discovery point bears N.38°24'07"E., 10 ft. dist.	
600.00	Cor. No. 2, identical with cor. No. 4 of the Carola lode of this survey.	
	Set a 2½ in. lead disc bolted to a 24 x 12 x 20 in. stone 16 ins. in ground, witnessed by a 4 ft. x 4 ft. mound of stone, mkd. J-2-Ca4-4456.	
	Thence N.38°24'07"E.	
1418.68	Intersect line 2-3 of the Hex Ridge # 9 lode of this survey,	
1500.00	Cor. No. 3.	
	Set a 2½ in. lead disc bolted to a 24 x 12 x 19 in. stone 16 ins. in ground, witnessed by a 4 ft. x 4 ft. mound of stone, mkd. J-3-4456.	
	Thence S.51°07'53"E.	
208.40	Intersect line 1-2 of the Hex Ridge # 9 lode, identical with line 4-1 of the Hex Ridge No. 10 lode of this survey.	

## Survey No. 4456

Chains Feet		9.
300.00	Lode line; discovery point bears S.38°24'07"W., 1490 ft. dist.	
524.	Wash, 4 ft. wide, course N.40°E.	
600.00	Cor. No. 4, identical with cor. No. 2 of the Chuqui lode of this survey.	
	Set a 2½ in. lead disc bolted to a stone in place, witnessed by a 4 ft. x 4 ft. mound of stone, mkd J-4-C-2-4456.	
	Thence S.38°24'07"W.	
294.	Wash, 4 ft. wide, course N.	
461.99	Intersect line 2-3 of the Hex Ridge No. 10 lode identical with line 2-3 of the Hex Ridge # 11 lode of this survey.	
597.88	Intersect line 1-2 of the Hex Ridge # 11 lode of this survey.	
1500.00	Cor. No. 1, and point of beginning.	
CHUQUI LODGE		
	Beginning at cor. No. 1 of the Chuqui lode, identical with cor. No. 1 of the Phoebe lode, cor. No. 1 of the Carola lode and cor. No. 1 of the Johnny lode of this survey.	
	Thence N.38°24'07"E.	
902.12	Intersect line 1-2 of the Hex Ridge # 11 lode of this survey.	
1038.01	Intersect line 2-3 of the Hex Ridge # 11 lode identical with line 2-3 of the Hex Ridge No. 10 lode of this survey.	
1206.	Wash, 4 ft. wide, course N.	
1500.00	Cor. No. 2, identical with cor. No. 4 of the Johnny lode of this survey.	
	Thence S.51°07'53"E.	
300.00	Lode line, discovery point bears S.38°24'07"W., 1490 ft. dist.	
392.81	Intersect line 2-3 of the Hex Ridge No. 10 lode identical with line 2-3 of the Hex Ridge # 11 lode of this survey.	
600.00	Cor. No. 3.	
	Set a 2½ in. lead disc bolted to a 24 x 8 x 21 in. stone 16 ins. in ground, witnessed by a 4 ft. x 4 ft. mound of stone, mkd. C-3-4456.	
	Thence S.38°24'07"W.	
678.86	Intersect line 4-1 of the Hex Ridge # 11 lode, identical with line 1-2 of the Side Ridge No. 1 lode of this survey.	

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Chains Feet		10.
1109.45	Cor. No. 1 of the Robin lode of this survey.	
1114.45	Intersect line 4-1 of the Side Ridge No. 1 lode of this survey.	
1500.00	Cor. No. 4; identical with cor. No. 2 of the Phoebe lode of this survey, on line 4-1 of the Robin lode of this survey.  Set a 2½ in. lead disc bolted to a stone in place, witnessed by a 4 ft. x 4 ft. mound of stone, mkd. C-4-P-2-4456.  Thence N.51°07'53"W.	
300.00	Lode line; discovery point bears N.38°24'07"E., 10 ft. dist.	
600.00	Cor. No. 1, and point of beginning.	
PHOEBE LODE		
	Beginning at cor. No. 1 of the Phoebe lode, identical with cor. No. 1 of the Carola lode, cor. No. 1 of the Johnny lode and cor. No. 1 of the Chuqui lode of this survey.  Thence S.51°07'53"E.	
300.00	Lode line; discovery point bears S.38°19'25"W., 10 ft. dist.	
600.00	Cor. No. 2, identical with cor. No. 4 of the Chuqui lode, and on line 4-1 of the Robin lode of this survey.  Thence S.38°24'07"W.	
1018.61	Intersect line 4-1 of the W. Shakespear lode of this survey.	
1109.45	Cor. No. 4 of the Robin lode of this survey.	
1470.00	Cor. No. 3.  Set a 2½ in. lead disc bolted to a 26 x 10 x 22 in. stone 16 ins. in ground, witnessed by a 4 ft. x 4 ft. mound of stone, mkd. P-3-4456.  Thence N.51°07'53"W.	
149.86	Intersect line 3-4 of the W. Shakespear lode of this survey.	
297.98	Lode line; discovery point bears N.38°19'25"E., 1460.02 ft. dist.	
597.98	Cor. No. 4, identical with cor. No. 2 Carola lode of this survey.  Set a 2½ in. lead disc bolted to a 24 x 10 x 20 in. stone 16 ins. in ground, witnessed by a 4 ft. x 4 ft. mound of stone, mkd. P-4-Ca-2-4456.	

## Survey No. 4456

Chains Feet		11.
	Thence N.38°19'25"E.	
1470.02	Cor. No. 1, and point of beginning.	
<b>CAROLA LODE</b>		
	Beginning at cor. No. 1 of the Carola lode, identical with cor. No. 1 of the Johnny lode, cor. No. 1 of the Chuqui lode and cor. No. 1 of the Phoebe lode.	
	Thence S.38°19'25"W.	
1470.02	Cor. No. 2, identical with cor. No. 4 of the Phoebe lode of this survey.	
	Thence N.51°07'53"W.	
300.00	Lode line; discovery point bears N.38°19'25"E., 1460.02 ft. dist.	
600.00	Cor. No. 3.	
	Set a 2½ in. lead disc bolted to a 26 x 13 x 20 in. stone 16 ins. in ground, witnessed by a 4 ft. x 4 ft. mound of stone, mkd. Ca-3-4456.	
	Thence N.38°19'25"E.	
1470.02	Cor. No. 4, identical with cor. No. 2 of the Johnny lode of this survey.	
	Thence S.51°07'53"E.	
300.00	Lode line; discovery point bears S.38°19'25"W., 10 ft. dist.	
600.00	Cor. No. 1, and point of beginning.	
<b>ROBIN LODE</b>		
	Beginning at cor. No. 1 of the Robin lode on line 3-4 of the Chuqui lode of this survey.	
	Set a 2½ in. lead disc bolted to a 24 x 9 x 21 in. stone 16 ins. in ground, witnessed by a 4 ft. x 4 ft. mound of stone, mkd. R.1-4456, from which	
	The S. ¼ cor. of Sec. 31, T.5S., R.27E., G.&S.R. Mer., bears N.25°50'40"E., 1052.65 ft. dist.	
	Thence S.50°57'53"E.	
300.00	Lode line; discovery point bears S.38°24'07"W., 320 ft. dist.	
417.31	Intersect line 3-4 of the Side Ridge No. 1 lode of this survey.	
600.00	Cor. No. 2.	
	Set a 2½ in. lead disc bolted to a 24 x 12 x 19 in. stone 16 ins. in ground, witnessed by a 4 ft. x 4 ft. mound of stone, mkd. R.2-4456.	

Survey No. 4456

Chains Feet		12.
	Thence S.38°24'07"W.	
514.89	Cor. No. 1 of the Robin No. 1 lode of this survey,	
706.43	Intersect line 4-1 of the W. Shakespear lode of this survey.	
1500.00	Cor. No. 3 on line 4-1 Robin No. 1 lode of this survey. Set a 2½ in. lead disc bolted to a 24 x 11 x 20 in. stone 16 ins. in ground, witnessed by a 4 ft. x 4 ft. mound of stone, mkd. R.-3-4456.	
	Thence N.50°57'53"W.	
300.00	Lode line; discovery point bears N.38°24'07"E., 1180 ft. dist.	
600.00	Cor. No. 4 on line 2-3 of the Phoebe lode of this survey. Set a 2½ in. lead disc bolted to a 24 x 11 x 22 in. stone 16 ins. in ground, witnessed by a 4 ft. x 4 ft. mound of stone, mkd. R.4-4456.	
	Thence N.38°24'07"E.	
90.84	Intersect line 4-1 of the W. Shakespear lode of this survey.	
1109.45	Cor. No. 2 of the Phoebe lode, identical with cor. No. 4 of the Chuqui lode of this survey.	
1495.00	Intersect line 4-1 of the Side Ridge No. 1 lode of this survey.	
1500.00	Cor. No. 1, and point of beginning.	
ROBIN NO. 1 LODE		
	Beginning at cor. No. 1 of the Robin No. 1 lode on line 2-3 of the Robin lode of this survey. Set a 2½ in. lead disc bolted to a 24 x 10 x 23 in. stone, 16 ins. in ground, witnessed by a 4 ft. x 4 ft. mound of stone, mkd. R.1-1-4456 from which The S. ¼ cor. of Sec. 31; T.5S., R.27E., G.&S.R. Mer., bears, N.10°15'03"E., 1756.76 ft. dist.	
	Thence S.51°23'27"E.	
300.00	Lode line; discovery point bears S.38°24'07"W., 650 ft. dist.	
600.00	Cor. No. 2. Set a 2½ in. lead disc bolted to a 26 x 12 x 21 in. stone 16 ins. in ground, witnessed by a 4 ft. x 4 ft. mound of stone, mkd. R.1-2-4456.	
	Thence S.38°24'07"W.	

## Survey No. 4456

Chains Feet		13.
1306.35	Cor. No. 3  Set a 2½ in. lead disc bolted to a 24 x 14 x 22 in. stone 16 ins. in ground, witnessed by a 4 ft. x 4 ft. mound of stone, mkd. R.1-3-4456.  Thence N.51°23'27" W.	
300.00	Lode line; discovery point bears, N.38°24'07"E., 656.35 ft. dist.	
600.00	Cor. No. 4.  Set a 2½ in. lead disc bolted to a 26 x 9 x 20 in. stone 16 ins. in ground, witnessed by a 4 ft. x 4 ft. mound of stone, mkd. R.1-4-4456.  Thence N.38°24'07"E.	
195.75	Intersect line 2-3 of the W. Shakespear lode of this survey.	
321.24	Cor. No. 3 of the Robin lode of this survey.	
1114.81	Intersect line 4-1 of the W. Shakespear lode of this survey.	
1306.35	Cor. No. 1, and point of beginning.	
W. SHAKESPEAR LODE		
Beginning at cor. No. 1 of the W. Shakespear lode.		
Set a 2½ in. lead disc bolted to a 24 x 12 x 21 in. stone 16 ins. in ground, witnessed by a 4 ft. x 4 ft. mound of stone, mkd. WS-1-4456, from which		
The S. ¼ cor. of Sec. 31, T.5S., R.27E., G.&S.R. Mer., bears, N.8°59'54"E., 1875.42 ft. dist.		
Thence S.10°36'11"E.		
300.00	Lode line; discovery point bears, S.79°09'30"W., 1479.90 ft. dist.	
600.00	Cor. No. 2.  Set a 2½ in. lead disc bolted to a 24 x 12 x 20 in. stone 16 ins. in ground, witnessed by a 4 ft. x 4 ft. mound of stone, mkd. WS-2-4456.  Thence S.79°09'30"W.	
834.48	Intersect line 4-1 of the Robin No. 1 lode of this survey.	
1497.90	Cor. No. 3.  Set a 2½ in. lead disc bolted to a 24 x 12 x 20 in. stone 16 ins. in ground, witnessed by a 4 ft. x 4 ft. mound of stone, mkd. WS-3-4456.  Thence N.10°36'11"W.	

17

## Survey No. 4456

Chains Feet		14.
300.00	Lode line; discovery point bears, N.79°09'30"E., 18 ft. dist.	
419.62	Intersect line 3-4 of the Phoebe Lode of this survey.	
600.00	Cor. No. 4.  Set a 2½ in. lead disc bolted to a 24 x 9 x 19 in. stone 16 ins. in ground, witnessed by a 4 ft. x 4 ft. mound of stone, mkd. WS-4-4456.  Thence N.79°09'30"E.	
438.08	Intersect line 2-3 of the Phoebe lode of this survey, identical with line 4-1 of the Robin lode of this survey.	
1357.10	Intersect line 4-1 of the Robin No. 1 lode of this survey, identical with line 2-3 of the Robin lode of this survey.	
1497.90	Cor. No. 1, and point of beginning.	

## AREAS

	Acres
Total area, Hex Ridge No. 1 lode	20.661
Area in conflict with -	
Sec. 32, T.5S., R.27E., G.&S.R. Mer., State Arizona land.	8.578
Total area, Hex Ridge # 6 lode	20.661
Total area, Hex Ridge No. 5 lode	20.661
Total area, Hex Ridge # 4 lode	20.661
Total area, Hex Ridge # 9 lode	20.661
Total area, Hex Ridge No. 10 lode	20.661
Total area, Hex Ridge, # 11 lode	20.661
Total area, Side Ridge No. 1 lode	20.661
Total area, Johnny lode	20.661
Area in conflict with -	
Hex Ridge #. 9 lode	0.435
Hex Ridge No. 10 lode	4.138
Hex Ridge #. 11 lode	0.104
Total area, Carola lode	20.247
Total area, Chuqui lode	20.660
Area in conflict with -	
Hex Ridge No. 10 lode	2.083
Hex Ridge #. 11 lode	8.640
Side Ridge No. 1 lode	1.069
Total area, Phoebe lode	20.213
Total area, Robin lode	20.660
Area in conflict with -	
Side Ridge No. 1 lode	1.020
Total area, Robin No. 1 lode	17.994
Total area, W. Shakespear lode	20.632
Area in conflict with -	
Phoebe lode	1.683
Robin lode	6.090
Robin No. 1 lode	6.717

## LOCATION

This survey is located in Sec. 31 and 32, T.5S., R.27E., (Secs. 5 & 6, T.6S., R.27E.,) G.&S.R. Mer., Arizona (unsurveyed)



## Survey No. 44560

Chains		15.
	The survey of the Side Ridge No. 1, Hex Ridge Nos. 1, 4, 5, 6, 9, 10 and 11, Johnny, Carola, Chuqui, Phoebe, Robin, Robin No.1 and W. Shakespear is identical with the location as marked on the ground.	
	<b>EXPENDITURES</b>	
No. 1	The discovery point of the Hex Ridge #6 lode is on the lode line 90 ft. from the center of line 2-3. No Value	
No. 2	The discovery cut of the Hex Ridge #6 lode, the face of which bears N.7°37'30"E., 274 ft. from cor. No. 2 of the Hex Ridge #6 lode, 3 ft. wide, 10 ft. face, running S.10°00'W., 6 ft. to face. Value, \$100.00	
No. 1	The discovery point of the Hex Ridge No. 1 lode is on the lode line 40 ft. from the center of line 2-3. No Value	
No. 2	The discovery shaft of the Hex Ridge No. 1 lode, the center of which bears S.16°51'30"W., 446.5 ft. from the cor. No. 3 of the Hex Ridge No. 1 lode, 8 x 8 ft., 10 ft. deep. Value, \$150.00	
No. 1	The discovery point of the Hex Ridge No. 5 lode is on the lode line 100 ft. from the center of line 4-1. No Value	
No. 2	The discovery cut of the Hex Ridge No. 5 lode, the face of which bears N.5°35'E., 171 ft. from cor. No. 4 of the Hex Ridge No. 5 lode, 4 ft. wide, 10 ft. face; running N.80°00'W., 6 ft. to face. Value, \$100.00	
No. 1	The discovery point of the Hex Ridge #4 lode is on the lode line 50 ft. from the center of line 1-2. No Value	
No. 2	The discovery cut of the Hex Ridge #4 lode, the face of which bears N.33°56'E., 380.81 ft. from cor. No. 1 of the Hex Ridge #4 lode, 4 ft. wide, 12 ft. face; running S.5°50'E., 9 ft. to face. Value, \$100.00	
No. 1	The discovery point of the Hex Ridge #9 lode is on the lode line 15 ft. from the center of line 4-1. No Value	
No. 2	The discovery cut of the Hex Ridge #9 lode, the face of which bears N.54°38'15"W., 237 ft. from cor. No. 1 of the Hex Ridge #9 lode, 5 ft. wide, 10 ft. face; running S.25°00'W., 5 ft. to face. Value, \$100.00	
No. 1	The discovery point of the Hex Ridge No. 10 lode is on the lode line 50 ft. from the center of line 1-2. No Value	
No. 2	The discovery cut of the Hex Ridge No. 10 lode, the face of which bears N.27°12'30"W., 228 ft. from cor. No. 2 of the Hex Ridge No. 10 lode, 4 ft. wide, 10 ft. face; running S.20°00'E., 8 ft. to face. Value, \$100.00	

## Survey No. 4456

Chains		16.
No. 1	The discovery point of the Hex Ridge #11 lode is on the lode line 100 ft. from the center of line 3-4. No Value	
No. 2	The discovery cut of the Hex Ridge #11 lode, the face of which bears N.22°11'15"W., 314 ft. from cor. No. 4 of the Hex Ridge #11 lode, 5 ft. wide, 10 ft. face; running south 4 ft. to face. Value \$100.00	
No. 1	The discovery point of the Side Ridge No. 1 lode is on the lode line 50 ft. from the center of line 2-3. No Value	
No. 2	The discovery cut of the Side Ridge No. 1 lode, the face of which bears N.19°49'W., 161 ft. from cor. No. 3 of the Side Ridge No. 1 lode, 4 ft. wide, 10 ft. face; running S.70°00"W., 6 ft. to face. Value, \$100.00	
No. 1	The discovery point of the Johnny lode is on the lode line, 10 ft. from the center of line 1-2. No Value	
No. 2	The discovery cut of the Johnny lode, the face of which lies on the lode line, N.37°33'W., 309 ft. from cor. No. 1 of the Johnny lode, 10 ft. wide, 15 ft. face; running S.38°24'W., 4 ft. to face. Value, \$100.00	
No. 1	The discovery point of the Chuqui lode is on the lode line, 10 ft. from the center of line 4-1. No Value	
No. 2	The discovery cut of the Chuqui lode, the face of which bears S.61°59'30"E., 275 ft. from cor. No. 1 of the Chuqui lode, 10 ft. wide, 10 ft. face; running S.38°20'W., 4 ft. to face. Value, \$100.00	
No. 1	The discovery point of the Phoebe lode is on the lode line 10 ft. from the center of line 1-2. No Value	
No. 2	The discovery cut of the Phoebe lode, the face of which bears S.31°12'30"E., 206.5 ft. from cor. No. 1 of the Phoebe lode, 7 ft. wide, 12 ft. face; running south 5 ft. to face. Value, \$100.00	
No. 1	The discovery point of the Carola lode is on the lode line, 10 ft. from the center of line 4-1. No Value	
No. 2	The discovery cut of the Carola lode, the face of which bears N.72°15'45"W., 513.5 ft. from cor. No. 1 of the Carola lode, 4 ft. wide, 10 ft. face; running S.38°00'W., 6 ft. to face. Value, \$100.00	
No. 1	The discovery point of the Robin lode is on the lode line, 320 ft. from the center of line 1-2. No Value	

## Survey No. 4456

Chains		17.
No. 2	The discovery cut of the Robin lode, the face of which bears S.72°57'W., 334 ft. from cor. No. 2 of the Robin lode, 5 ft. wide, 15 ft. face; running S.70°00'W., 4 ft. to face. Value, \$100.00	
No. 1	The discovery point of the Robin-No. 1 lode is on the lode line, 650 ft. from the center of line 1-2. No Value	
No. 2	The discovery shaft of the Robin No. 1 lode, the center of which bears S.6°13'30"W., 478 ft. from cor. No. 1 of the Robin No. 1 lode, 4 x 6 ft., 8 ft. deep. Value, \$130.00	
No. 1	The discovery point of the W. Shakespear lode is on the lode line, 18 ft. from the center of line 3-4. No Value	
No. 2	The discovery shaft of the W. Shakespear lode, the center of which bears N.22°49'E., 179 ft. from cor. No. 3 of the W. Shakespear lode, 4 x 6 ft., 8 ft. deep. Value, \$130.00	
An interest in a common improvement described as follows:		
Drill hole No. G-57, 4 $\frac{1}{4}$ ins. NX, BX x 1467.0 ft. deep, bears N.49°50'21"W., 180 ft. from cor. No. 2 of the Hex Ridge No. 10 lode.		
Value, \$ 13,890.77		
Value of one-twenty-seventh interest, \$ 514.47		
This improvement to be credited to the fifteen lodes of this survey and to the J. Galsworthy, M. Anderson, W. Inge, C. Fry, Adele, Debbie Rae, Country Rock No. 1, Sean O'Casey, G.B. Shaw, Country Rock No. 2, Nancy and the Canadian Cabrones lodes unsurveyed, which are all contiguous lode claims owned in common within the range of benefit of said drill hole.		
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; therefore, an undivided one-twenty-seventh interest in it's value is hereby credited to each of said lodes and a like interest apportioned to each of the other stated lodes of the common group.		
OTHER IMPROVEMENTS		
A cut, the face of which bears N.34°E., 90 ft. from the the discovery point of the Hex Ridge #11 lode, 4 ft. wide, 10 ft. face; running S.50°00'W., 4 ft. to face.		
A shaft, the center of which bears N.50°50'W., 160 ft. from the discovery point of the Hex Ridge #9 lode, 4 x 6 ft., 5 ft. deep.		
Except as stated above, no portion of or interest in this improvement has been credited heretofore as patent expenditure to any lode claim.		
Claimants unknown		



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

January 27, 1959

I, Clifford E. Way

Mineral Surveyor, hereby certify upon honor that in pursuance of an order received from the Bureau of Land Management, at Phoenix, Arizona

dated June 10, 1958, I have faithfully and correctly executed the survey of

the mining claim of Bear Creek Mining Company

known as the Side Ridge No. 1, Hex Ridge No. 1, #4, No. 5, #6, #9, No. 10, #11; Johnny, Carola, Chuqui, Phoebe, Robin, Robin No. 1 and W. Shakespear  
(Lode, placer, or mill site)

situate in Lone Star Mining District

T. 5 S. & 6 S, R. 27E., G. & S. R. Meridian, Arizona, and  
(State)

designated as Survey No. 4456, which is represented in the foregoing field notes as having been executed by me and under my direction, and that said survey has been made in strict conformity with said order, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes, and I do further certify that the labor expended and improvements made

upon or for the benefit of the lode location(s) embraced in the said mining claim by  
(Lode or placer)

claimant(s) or their grantors are fully stated in my report therein, and that the character, extent, location, and itemized value thereof are specified therein with particularity and full detail, and that no portion of, or interest in, said labor and improvements so credited to this claim has been included in the estimate of expenditures upon any other claim.

Tucson, Arizona  
(Place)

Clifford E. Way  
(Mineral Surveyor)

CERTIFICATE OF APPROVAL

Bureau of Land Management--Survey Office  
(Office)

Phoenix, Arizona September 9, 19 59  
(Place) (Date)

The foregoing field notes of mineral survey No. 4456, in partially surveyed sections 5 & 6  
6 South 27 East Sections 31 and 32  
5 South 27 East, T. 5 South, R. 27 East, Gila & Salt River Meridian,

Arizona, executed by Clifford E. Way, Mineral Surveyor,  
(State)

under order dated June 10, 1958, 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  
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

January 27, 1932

Clifford E. Way

Mineral Surveyor hereby certifies upon honor that in pursuance of an order received from the

Bureau of Land Management

dated June 10, 1932, I have faithfully and correctly executed the survey of

the mining claim of

State Mine No. 1, Hot Springs, Co. No. 29, No. 10,  
known as the State Mine, situated in

Hot Springs Mining District

T. 2 S., R. 2 E., S. 20 N.,

Meridian

designated as Survey No. 10, 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

State Mine

location(s) embraced in the said mining claim by  
claimant(s) or  
grantee(s) 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 has been included in the estimate  
of expenditures upon any other claim.

Clifford E. Way

(Signature)

CERTIFICATE OF APPROVAL

Bureau of Land Management--Survey Office

Phoenix, Arizona

September 7, 1932

The foregoing field notes of mineral survey No. 10, in

Section 21 and 22

Meridian

Hot Springs Mining District

Arizona

executed by

Clifford E. Way

Mineral Surveyor

under order dated June 10, 1932, 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.

Office Central Engineer

Clifford E. Way

(Signature)

CERTIFICATE OF TRANSCRIPT

I certify that the foregoing transcript of field notes of the above described mineral survey No. 10  
is a true copy of the original field notes.



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
State Office  
3022 Federal Building  
Phoenix, Arizona 85025

RECEIVED  
B.L.M. LAND OFFICE

DEC - 4 1970

10:00 A.M.  
PHOENIX, ARIZONA

IN REPLY REFER TO  
9183.3 (E)

1

December 2, 1970

Memorandum

To : Land Office Manager, Arizona  
From : State Director, Arizona  
Subject: Mineral Survey No. 4456

This memorandum cancels the survey of the following lode claims of Mineral Survey No. 4456:

CAROLA	HEX RIDGE NO. 1
PHOEBE	HEX RIDGE #4
ROBIN	HEX RIDGE NO. 5
ROBIN NO. 1	HEX RIDGE #9
W. SHAKESPEAR	HEX RIDGE NO. 10
JOHNNY	HEX RIDGE #11

The following notation should be made on the plat of Mineral Survey No. 4456:

"Survey of CAROLA, PHOEBE, ROBIN, ROBIN NO. 1, W. SHAKESPEAR, JOHNNY, and HEX RIDGE NO. 1, #4, NO. 5, #9, NO. 10 and #11 lode claims cancelled by State Director's memorandum dated December 2, 1970."

A notation of this cancellation should also be made on the Mineral Mining District Sheets.

The plat and field notes should remain in the files. This memorandum should be made a part of the original field notes.

By Relinquishment of Mining Claims, dated July 8, 1970, the claimant, Kennecott Copper Corporation, relinquished and abandoned all right, title and interest in the above-listed lode claims.

The lands embraced by the above-listed lode claims are scheduled for disposal under Private Exchange Application AR 034102, filed by Kennecott Copper Corporation, under provisions of Section 8 of the Taylor Grazing Act.

cc: Director

RECEIVED  
NOV 13 1970

United States Department of the Interior



BUREAU OF LAND MANAGEMENT

Washington, D.C. 20250

Denver, Colorado

To : [Faint recipient name]

From : [Faint sender name]

Subject : [Faint subject line]

This memorandum covers the subject of the following [faint text]

- 1. [Faint list item]
- 2. [Faint list item]
- 3. [Faint list item]
- 4. [Faint list item]
- 5. [Faint list item]

The following [faint text] should be [faint text]

[Faint paragraph of text]

[Faint paragraph of text]

[Faint paragraph of text]

[Faint paragraph of text]

[Faint paragraph of text]

[Faint paragraph of text]

[Faint paragraph of text]

cc: [Faint text]