



Mineral Survey No. 20220 A and B
T. 16 S., R. 80 W., Sixth Principal Meridian, Colorado

This survey was made with one Name Brand Navigation, Model Number 1234 ssi, Global Positioning System (GPS) base receiver, serial number 3543A11961, one Name Brand Navigation, Model Number 5678 GPS rover receiver, serial number 0430103786, and one Name Brand total station, Model ABC-901, serial number 0368756, to measure angles and distances. The instruments were in good condition at the time of the survey, all adjustments were in good order, and compared with a standard at the time of beginning the survey and found to be correct.

The basis of bearing for this survey was determined with reference to the true meridian from Cor. No. 1 of the Jim Dandy lode, at Latitude $38^{\circ} 45' 01.017''$ N., and Longitude $106^{\circ} 20' 02.029''$ W., NAD 83 (CORSS96) (EPOCH:2002), to the cor. of secs. 7, 8, 17, and 18 as calculated from the GPS observations of these monuments. The resultant mean bearing and ground distance is S. $55^{\circ} 40' 00''$ W., 212.50 ft. dist. All bearings in this record refer to the true meridian and are mean bearings.

Lines and connections of this survey were run using GPS real time kinematic surveying system or by direct methods where the lines are accessible. The inaccessible lines were run by traverse methods. The distances are reported as horizontal measurement at a mean ground elevation of 5,000 feet above sea level, in U.S. Survey Foot.

The magnetic declination observed at some corners of the survey gave a uniform value of 13° E.

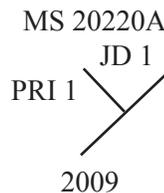
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FEET

JIM DANDY LODGE

Beginning at Cor. No. 1 of the Jim Dandy lode, identical with Cor. No. 1 of the Prince lode of this survey.

Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 23 ins. in the ground, with brass cap mkd.



from which

The cor. of secs. 7, 8, 17, and 18, bears S. $55^{\circ} 40' 00''$ W., 212.50 ft. dist., hereinafter described.

U.S. Mineral Monument SPORPHYRY bears S. $30^{\circ} 15' 30''$ E., 1,165.81 ft. dist., hereinafter described.



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	<p>Cor. No. 3, M.S. No. 18837 C.O.D. lode, bears N. 58° 45' E., 208.47 ft. dist., hereinafter described.</p> <p>A yellow pine, 14 ins. diam., bears N. 10° 00' E., 38.3 ft. dist. to face, mkd. JD 1 20220A XBT.</p> <p>A distant peak, known as Barren Mt., bears N. 55° 57' W.</p> <p style="text-align: center;">Thence N. 28° 50' W.</p>
170.28	Intersect line 3-4, M.S. No. 19142 I.X.L. lode, at a point from which Cor. No. 3 bears N. 61° 27' E., 871.43 ft. dist. and Cor. No. 4 bears S. 61° 27' W., 628.57 ft. dist., both hereinafter described.
301.30	Lode line; discovery point bears N. 50° 23' E., 496 ft. dist., hereinafter described.
350.97	Intersect line bet. secs. 7 and 8, at a point from which the cor. of secs. 5, 6, 7, and 8 bears N. 0° 50' E., 4,886.17 ft. dist. and the cor. of secs. 7, 8, 17, and 18 bears S. 0° 50' W., 427.35 ft. dist., both hereinafter described.
370.28	Intersect line 4-1, M.S. No. 19557 Alley lode, at a point from which Cor. No. 4 bears N. 44° 30' E., 1,332.42 ft. dist. and Cor. No. 1 bears S. 44° 30' W., 167.58 ft. dist., both hereinafter described.
456.67	Intersect line 4-1, Protector lode of this survey, at a point from which Cor. No. 4 bears N. 47° 49' E., 696.94 ft. dist. and Cor. No. 1 bears S. 47° 49' W., 803.06 ft. dist., both hereinafter described.
535.90	<p>Cor. No. 2, identical with Cor. No. 2 of the Prince lode of this survey.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.</p> <div style="text-align: center;"> <p>MS 20220A</p> </div> <p>from which</p> <p>A granite rock in place, 46 x 34 ins., 26 ins. above ground, bears S. 24° 00' E., 10.5 ft. dist., mkd. XBO JD 2 20220A.</p> <p style="text-align: center;">Thence N. 50° 23' E.</p>
120.28	Intersect line bet. secs. 7 and 8, at a point from which the cor. of secs. 5, 6, 7, and 8 bears N. 0° 50' E., 4,647.44 ft. dist. and the cor. of secs. 7, 8, 17, and 18 bears S. 0° 50' W., 666.08 ft. dist., both hereinafter described.



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FEET	
679.32	Intersect line 3-4, Protector lode of this survey, at a point from which Cor. No. 4 bears S. 42° 11' E., 46.70 ft. dist. and Cor. No. 3 bears N. 42° 11' W., 553.30 ft. dist., both hereinafter described.
1,150.19	Intersect line 4-1, M.S. No. 20062 Copper lode, at a point from which Cor. No. 4, identical with Cor. No. 2, M.S. No. 12071 Major lode, bears S. 59° 25' E., 94.50 ft. dist. and Cor. No. 1 bears N. 59° 25' W., 505.50 ft. dist., both hereinafter described.
1,230.73	Intersect line 1-2, M.S. No. 12071 Major lode, at a point from which Cor. No. 2, identical with Cor. No. 4, M.S. No. 20062 Copper lode, bears S. 11° 00' E., 101.30 ft. dist. and point for Cor. No. 1 bears N. 11° 00' W., 198.70 ft. dist., both hereinafter described.
1,291.67	Intersect line 3-4, M.S. No. 19557 Alley lode, at a point from which Cor. No. 4 bears S. 45° 30' E., 26.31 ft. dist. and point for Cor. No. 3 bears N. 45° 30' W., 273.69 ft. dist., both hereinafter described.
1,500.00	Cor. No. 3, on line 3-4, M.S. No. 20062 Copper lode. Falls on granite bedrock outcrop, even with the general surface of the ground, mkd. X JD 3 20220A; from which Cor. No. 3, M.S. No. 20062 Copper lode, bears N. 34° 45' E., 1,270.00 ft. dist., hereinafter described. Cor. No. 4, M.S. No. 20062 Copper lode, bears S. 34° 45' W., 330.00 ft. dist., identical with Cor. No. 2, M.S. No. 12071 Major lode, both hereinafter described. A silver spruce, 16 ins. diam., bears N. 40° 00' E., 47.5 ft. dist. to face, mkd. JD 3 20220A XBT. Thence S. 28° 50' E.
234.60	Lode line; discovery point bears S. 50° 23' W., 1,004 ft. dist., hereinafter described.
241.90	Intersect line 2-3, M.S. No. 12071 Major lode, at a point from which Cor. No. 2, M.S. No. 19910 Golden lode bears N. 79° 00' E., 299.46 ft. dist. and Cor. No. 2, identical with Cor. No. 4, M.S. No. 20062 Copper lode, bears S. 79° 00' W., 310.46 ft. dist., both hereinafter described.
404.50	Intersect line 1-2, M.S. No. 19910 Golden lode, claimant herein, at a point from which Cor. No. 2 bears N. 47° 12' E., 280.00 ft. dist. and Cor. No. 1 bears S. 47° 12' W., 620.00 ft. dist., both hereinafter described; identical with a Cor. of Tract A, hereinafter surveyed.
535.90	Cor. No. 4; identical with a Cor. of Tract A, hereinafter described.



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FEET	<p>Falls on a rock slide, no permanent monument established.</p> <p style="text-align: center;">Thence S. 50° 23' W.</p>
42.00	Point for a Cor. of Tract A, hereinafter surveyed.
99.66	Point selected for the witness cor. to Cor. No. 4.
	Falls on top of a granite boulder, 48 x 26 ins., 36 ins. above ground, mkd. X-WC JD 4 20220A.
612.92	Intersect Cor. No. 3, M.S. No. 19142 I.X.L. lode, identical with line 6-1, M.S. No. 19910 Golden lode, at a point from which Cor. No. 2, M.S. No. 19142 I.X.L. lode, on line 6-1, M.S. No. 19910 Golden lode, bears S. 28° 33' E., 300.00 ft. dist. and Cor. No. 1, M.S. No. 19910 Golden lode, bears N. 28° 33' W., 96.46 ft. dist., all hereinafter described.
1,500.00	Cor. No. 1, identical with Cor. No. 1 of the Prince lode of this survey and place of beginning.
	<hr/> <p>PRINCE LODGE</p>
	From Cor. No. 1 of the Prince lode, identical with Cor. No. 1 of the Jim Dandy lode of this survey, heretofore described.
	Thence N. 28° 50' W., identical with line 1-2, Jim Dandy lode.
	Some intervening items are described in the survey of the Jim Dandy lode.
267.95	Lode line; discovery point bears S. 42° 25' W., 849 ft. dist., hereinafter described.
535.90	Cor. No. 2, identical with Cor. No. 2 of the Jim Dandy lode of this survey, heretofore described.
	Thence S. 41° 58' W.
215.30	Intersect line 1-2, M.S. No. 19557 Alley lode, at a point from which Cor. No. 1 bears S. 45° 30' E., 149.14 ft. dist. and point for Cor. No. 2 bears N. 45° 30' W., 150.86 ft. dist., both hereinafter described.
360.	Road, gravel, 16 ft. wide, bears S. 15° E. and N. 15° W.
598.76	Intersect line 1-2, M.S. No. 4923 Idella lode, at a point from which Cor. No. 1 bears N. 24° 48' E., 399.35 ft. dist. and point for Cor. No. 2 bears S. 24° 48' W., 1,100.65 ft. dist., both hereinafter described.



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FEET	
756.32	Intersect line 4-1, Protector lode of this survey, at a point from which Cor. No. 4 bears N. 47° 49' E., 1431.05 ft. dist. and Cor. No. 1 bears S. 47° 49' W., 68.95 ft. dist., both hereinafter described.
782.15	Intersect line bet. secs. 7 and 18, at a point from which the cor. of secs. 7, 8, 17, and 18 bears S. 89° 16' E., 606.05 ft. dist. and the ¼ sec. cor. of secs. 7 and 18 bears N. 89° 16' W., 1,996.21 ft. dist., both hereinafter described.
900.	Chalk Creek, 18 ft. wide, course S. 40° E.
930.	Road, dirt, 16 ft. wide, bears S. 40° E. and N. 40° W.
1,504.00	Point for Cor. No. 3. Set a stainless steel post, 28 ins. long, 2½ ins. diam., 23 ins. in the ground, with brass cap mkd.
	<p style="text-align: center;">MS 20220A  2009</p>
	<p>from which</p> <p style="padding-left: 40px;">A corner of the location bears N. 28° 50' W., 12.5 ft. dist., hereinafter described.</p> <p style="padding-left: 40px;">A silver spruce, 14 ins. diam., bears N. 10° 00' E., 15.0 ft. dist. to face, mkd. PRI 3 20220A XBT.</p> <p style="padding-left: 40px;">A yellow pine, 26 ins. diam., bears S. 45° 00' E., 22.5 ft. dist. to face, mkd. PRI 3 20220A XBT.</p>
	Thence S. 28°50' E.
255.45	Lode line; discovery point bears N. 42° 25' E., 651 ft. dist., hereinafter described.
331.80	Intersect line 1-2, M.S. No. 4923 Idella lode, at a point from which Cor. No. 1 bears N. 24° 48' E., 1,461.00 ft. dist. and point for Cor. No. 2 bears S. 24° 48' W., 39.00 ft. dist., both hereinafter described.
507.30	Point for Cor. No. 4. Set a brass tablet, ¾ ins. diam., ½-in. stem, in a concrete post, 24 ins. long, 6 ins. sq., 16 ins. in the ground, with top mkd.



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FEET	
	MS 20220A PRI 4  2009
	from which A corner of the location bears S. 28° 50' E., 16.1 ft. dist., hereinafter described. A point on a granite bedrock outcrop, even with the general surface of the ground, bears S. 26° 00' E., 20.0 ft. dist., mkd. XBO PRI 4 20220A. Thence N. 43° 00' E.
220.00	Cor. No. 2, Dump Millsite of this survey.
480.	Creek, 2 ft. wide, course N.
665.	Road, dirt, 16 ft. wide, bears S. 55° E. and N. 55° W.
780.	Chalk Creek, 16 ft. wide, course S. 50° E.
880.00	Cor. No. 1, Dump Millsite of this survey.
1,084.80	Intersect line 1-2, M.S. No. 19142 I.X.L. lode, at a point from which Cor. No. 2 bears N. 61° 27' E., 1,259.50 ft. dist. and point for Cor. No. 1 bears S. 61° 27' W., 240.50 ft. dist., both hereinafter described.
1,110.	Road, asphalt, 16 ft. wide, bears S. 40° E. and N. 40° W.
1,237.60	Intersect the line bet. secs. 17 and 18, at a point from which the cor. of secs. 7, 8, 17, and 18 bears North, 68.30 ft. dist. and the ¼ sec. cor. of secs. 17 and 18 bears South, 2,582.02 ft. dist., both hereinafter described. Enter patented land.
1,331.00	Intersect the line bet. secs. 8 and 17, at a point from which the W 1/16 sec. cor. of secs. 8 and 17 bears S. 89° 59' E., 1,245.18 ft. dist. and the cor. of secs. 7, 8, 17, and 18 bears N. 89° 59' W., 63.70 ft. dist., both hereinafter described. Leave patented land.
1,494.90	Cor. No. 1, and place of beginning.
	<hr/> PROTECTOR LODE
	Beginning at Cor. No. 1 of the Protector lode. Falls on top of a granite rock in place, 56 x 14 ins., 18 ins. above ground, mkd. X PRO 1 20220A; from which



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FEET	
	<p>The cor. of secs. 7, 8, 17, and 18, bears N. 88°16' E., 640.10 ft. dist., heretofore described.</p> <p>Cor. No. 1 of the Jim Dandy and the Prince lodes of this survey, bears N. 80° 19' E., 827.10 ft. dist., heretofore described.</p> <p>Thence N. 42° 11' W.</p>
37.49	Intersect line bet. secs. 7 and 18, at a point from which the cor. of secs. 7, 8, 17, and 18 bears S. 89° 16' E., 665.07 ft. dist. and the ¼ sec. cor. of secs. 7 and 18 bears N. 89° 16' W., 1,937.19 ft. dist., both hereinafter described.
245.44	Intersect line 3-4, M.S. No. 4923 Idella lode, at a point from which Cor. No. 4 bears N. 24° 48' E., 518.26 ft. dist. and Cor. No. 3 bears S. 24° 48' W., 981.74 ft. dist., both hereinafter described.
300.00	Lode line; discovery point bears N. 47° 49' E., 73 ft. dist., hereinafter described.
320.	Chalk Creek, 20 ft. wide, course South.
600.00	<p>Cor. No. 2.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>MS 20220A</p>  </div> <p>from which</p> <p>A yellow pine, 14 ins. diam., bears S. 51° 00' W., 22.0 ft. dist. to face, mkd. PRO 2 20220A XBT.</p> <p>A yellow pine, 12 ins. diam., bears N. 45° 00' W., 35.0 ft. dist. to face, mkd. PRO 2 20220A XBT.</p> <p>Thence N. 47° 49' E.</p>
80.	Chalk Creek, 19 ft. wide, course S. 30° E.
557.88	Intersect line 1-2, M.S. No. 20100 Silver lode, at a point from which Cor. No. 1 bears N. 64° 25' E., 1,312.09 ft. dist., and Cor. No. 2 bears S. 64° 25' W., 187.91 ft. dist., both hereinafter described.
625.	Road, gravel, 16 ft. wide, bears S. 20° E. and N. 20° W.



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FEET	
1,390.00	Point selected for the witness cor. to Cor. No. 3. At a point 5 ft. above the base of a granite cliff, 120 ft. high, facing S. 10° E., mkd. X WC PRO 3 20220A.
1,434.44	Intersect line bet. secs. 7 and 8, at a point from which the cor. of secs. 5, 6, 7, and 8 bears N. 0° 50' E., 3,924.92 ft. dist. and the cor. of secs. 7, 8, 17, and 18 bears S. 0° 50' W., 1,388.60 ft. dist., both hereinafter described.
1,500.00	Cor. No. 3. Falls at an inaccessible point on the cliff, described above, no permanent monument established. Thence S. 42° 11' E.
40.	Base of cliff, bears N. 80° E. and S. 80° W.
280.77	Intersect line 1-2, M.S. No. 20100 Silver lode, at a point from which Cor. No. 1 bears N. 64° 25' E., 329.02 ft. dist. and Cor. No. 2 bears S. 64° 25' W., 1,170.98 ft. dist., both hereinafter described.
300.00	Lode line; discovery point bears S. 47° 49' W., 1,427 ft. dist., hereinafter described.
342.02	Intersect line 2-3, M.S. No. 19557 Alley lode, at a point from which point for Cor. No. 3 bears N. 44° 30' E., 596.95 ft. dist. and point for Cor. No. 2 bears S. 44° 30' W., 903.05 ft. dist., both hereinafter described.
553.30	Intersect line 2-3, Jim Dandy lode of this survey, at a point from which Cor. No. 3 bears N. 50° 23' E., 820.68 ft. dist. and Cor. No. 2 bears S. 50° 23' W., 679.32 ft. dist., both heretofore described.
600.00	Cor. No. 4. Set a stainless steel post, 28 ins. long, 2½ ins. diam., 12 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap, mkd. MS 20220A PRO 4 2009 Thence S. 47° 49' W.
625.39	Intersect line bet. secs. 7 and 8, at a point from which the cor. of secs. 5, 6, 7, and 8 bears N. 0° 50' E., 4,745.51 ft. dist. and the cor. of secs. 7, 8, 17, and 18 bears S. 0° 50' W., 568.01 ft. dist., both hereinafter described.



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FEET	
696.94	Intersect common line 1-2, Jim Dandy and Prince lodes of this survey, at a point from which common Cors. No. 1 bears S. 28° 50' E., 456.67 ft. dist. and common Cors. No. 2 bears N. 28° 50' W., 79.23 ft. dist., heretofore described.
889.61	Intersect line 1-2, M.S. No. 19557 Alley lode, at a point from which Cor. No. 1 bears S. 45° 30' E., 93.94 ft. dist. and point for Cor. No. 2 bears N. 45° 30' W., 206.06 ft. dist., both hereinafter described.
1,050.	Road, gravel, 16 ft. wide, bears S. 15° E. and N. 15° W.
1,312.10	Intersect line 1-2, M.S. No. 4923 Idella lode, at a point from which Cor. No. 1 bears N. 24° 48' E., 440.63 ft. dist. and point for Cor. No. 2 bears S. 24° 48' W., 1,059.37 ft. dist., both hereinafter described.
1,431.05	Intersect line 2-3, Prince lode of this survey, at a point from which Cor. No. 2 bears N. 41° 58' E., 756.32 ft. dist. and Cor. No. 3 bears S. 41° 58' W., 747.68 ft. dist., both heretofore described.
1,459.68	Intersect line bet. secs. 7 and 18, at a point from which the cor. of secs. 7, 8, 17, and 18 bears S. 89° 16' E., 610.01 ft. dist. and the ¼ sec. cor. of secs. 7 and 18 bears N. 89° 16' W., 1,992.25 ft. dist., both hereinafter described.
1,500.00	Cor. No. 1, and place of beginning.
	<hr/> <p>Mineral Survey No. 20220 B</p> <hr/> <p>DUMP MILLSITE</p> <p>Beginning at Cor. No. 1 of the Dump Millsite, on line 4-1, Prince lode of this survey.</p> <p>Set a brass tablet, 3¼ ins. diam., 3½-in. stem, in a concrete post, 24 ins. long, 6 ins. sq., 16 ins. in the ground, and in a mound of stone, 3 ft. base to top, with top mkd.</p> <div style="text-align: center;"> <p>MS 20220B PRI</p>  <p>DMS 1 2009</p> </div> <p>from which</p> <p style="padding-left: 40px;">The cor. of secs. 7, 8, 17, and 18, bears N. 36° 28' E., 410.30 ft. dist., hereinafter described.</p> <p style="padding-left: 40px;">Thence S. 43° 00' W., identical with line 4-1, Prince lode.</p>



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FEET	Intervening items are described in the survey of Prince lode.
660.00	<p>Cor. No. 2, on line 4-1, Prince lode of this survey.</p> <p>Occupied by a yellow pine, 18 ins. diam., mkd. DMS-2-20220B; from which</p> <p style="text-align: center;">A yellow pine, 18 ins. diam., bears S. 80° 00' E., 17.5 ft. dist. to face, mkd. DMS 2 20220B XBT.</p> <p style="text-align: center;">Thence S. 47° 00' E.</p>
220.	Creek, 2 ft. wide, course N. 50° E.
330.00	<p>Cor. No. 3.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, mkd.</p> <p style="text-align: center;">MS 20220B DMS 3  2009</p> <p>No bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence N. 43° 00' E.</p>
390.	Road, dirt, 16 ft. wide, bears S. 40° E. and N. 40° W.
430.	Chalk Creek, 20 ft. wide, course S. 35° E.
660.00	<p>Cor. No. 4.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 14 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, mkd.</p> <p style="text-align: center;">MS 20220B DMS 4  2009</p> <p>from which</p> <p style="text-align: center;">A yellow pine, 16 ins. diam., bears N. 15° 00' E., 20.5 ft. dist. to face, mkd. DMS 4 20220B XBT.</p> <p style="text-align: center;">Thence N. 47° 00' W.</p>



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FEET 330.00	<p>Cor. No. 1, and place of beginning.</p> <p>The Dump Millsite contains 5.00 acres.</p> <hr/> <p style="text-align: center;">Mineral Survey No. 20220 A and B</p> <hr/> <p style="text-align: center;">AREAS</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;"></th> <th style="text-align: right; width: 20%;">Acres</th> </tr> </thead> <tbody> <tr> <td> Total area, Jim Dandy lode</td> <td style="text-align: right;">18.129</td> </tr> <tr> <td> Area in conflict with —</td> <td></td> </tr> <tr> <td> Tract A, hereinafter described</td> <td style="text-align: right;">0.450</td> </tr> <tr> <td> M.S. No. 12071 Major lode</td> <td style="text-align: right;">1.095</td> </tr> <tr> <td> M.S. No. 19142 I. X. L. lode</td> <td style="text-align: right;">1.708</td> </tr> <tr> <td> M.S. No. 19557 Alley lode</td> <td style="text-align: right;">2.815</td> </tr> <tr> <td> M.S. No. 19557 Alley lode, exclusive of its conflict with M.S. No. 12071 Major lode</td> <td style="text-align: right; vertical-align: bottom;">2.767</td> </tr> <tr> <td> M.S. No. 19910 Golden lode</td> <td style="text-align: right;">1.572</td> </tr> <tr> <td> M.S. No. 19910 Golden lode, exclusive of its conflict with Tract A</td> <td style="text-align: right; vertical-align: bottom;">1.122</td> </tr> <tr> <td> M.S. No. 20062 Copper lode</td> <td style="text-align: right;">0.357</td> </tr> <tr> <td> M.S. No. 20062 Copper lode, exclusive of its conflict with:</td> <td></td> </tr> <tr> <td> (1) M.S. No. 12071 Major lode</td> <td style="text-align: right;">0.082</td> </tr> <tr> <td> (2) M.S. No. 19557 Alley lode</td> <td style="text-align: right;">0.246</td> </tr> <tr> <td> (3) M.S. Nos. 12071 and 19557 Major and Alley lodes</td> <td style="text-align: right;">0.030</td> </tr> <tr> <td> Total area, Prince lode</td> <td style="text-align: right;">17.008</td> </tr> <tr> <td> Area in conflict with —</td> <td></td> </tr> <tr> <td> NW¼ NW¼ sec. 17</td> <td style="text-align: right;">0.050</td> </tr> <tr> <td> M.S. No. 4923 Idella lode</td> <td style="text-align: right;">3.258</td> </tr> <tr> <td> M.S. No. 19142 I. X. L. lode</td> <td style="text-align: right;">3.744</td> </tr> <tr> <td> M.S. No. 19142 I. X. L. lode, exclusive of its conflict with NW¼ NW¼ sec. 17</td> <td style="text-align: right; vertical-align: bottom;">3.694</td> </tr> <tr> <td> M.S. No. 19557 Alley lode</td> <td style="text-align: right;">0.675</td> </tr> <tr> <td> Total area, Protector lode</td> <td style="text-align: right;">20.661</td> </tr> <tr> <td> Area in conflict with —</td> <td></td> </tr> <tr> <td> M.S. No. 4923 Idella lode</td> <td style="text-align: right;">3.826</td> </tr> <tr> <td> M.S. No. 19557 Alley lode</td> <td style="text-align: right;">4.776</td> </tr> <tr> <td> M.S. No. 20100 Silver lode</td> <td style="text-align: right;">3.036</td> </tr> <tr> <td> Jim Dandy lode of this survey</td> <td style="text-align: right;">0.981</td> </tr> <tr> <td> Jim Dandy lode of this survey, exclusive of its conflict with M.S. No. 19557 Alley lode</td> <td style="text-align: right; vertical-align: bottom;">0.000</td> </tr> <tr> <td> Prince lode of this survey</td> <td style="text-align: right;">0.650</td> </tr> </tbody> </table>		Acres	Total area, Jim Dandy lode	18.129	Area in conflict with —		Tract A, hereinafter described	0.450	M.S. No. 12071 Major lode	1.095	M.S. No. 19142 I. X. L. lode	1.708	M.S. No. 19557 Alley lode	2.815	M.S. No. 19557 Alley lode, exclusive of its conflict with M.S. No. 12071 Major lode	2.767	M.S. No. 19910 Golden lode	1.572	M.S. No. 19910 Golden lode, exclusive of its conflict with Tract A	1.122	M.S. No. 20062 Copper lode	0.357	M.S. No. 20062 Copper lode, exclusive of its conflict with:		(1) M.S. No. 12071 Major lode	0.082	(2) M.S. No. 19557 Alley lode	0.246	(3) M.S. Nos. 12071 and 19557 Major and Alley lodes	0.030	Total area, Prince lode	17.008	Area in conflict with —		NW¼ NW¼ sec. 17	0.050	M.S. No. 4923 Idella lode	3.258	M.S. No. 19142 I. X. L. lode	3.744	M.S. No. 19142 I. X. L. lode, exclusive of its conflict with NW¼ NW¼ sec. 17	3.694	M.S. No. 19557 Alley lode	0.675	Total area, Protector lode	20.661	Area in conflict with —		M.S. No. 4923 Idella lode	3.826	M.S. No. 19557 Alley lode	4.776	M.S. No. 20100 Silver lode	3.036	Jim Dandy lode of this survey	0.981	Jim Dandy lode of this survey, exclusive of its conflict with M.S. No. 19557 Alley lode	0.000	Prince lode of this survey	0.650
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Prince lode of this survey, exclusive of its conflict with:

- (1) M.S. No. 4923 Idella lode 0.628
- (2) M.S. No. 19557 Alley lode 0.342
- (3) M.S. Nos. 4923 and 19557 Idella and Alley lodes 0.320

Total area, Dump Millsite 5.000

TRACT A

That portion of M.S. No. 19910 Golden lode in conflict with Jim Dandy lode of this survey, excluded by said Golden lode in favor of a location now abandoned, is bounded and described as follows:

Beginning at Cor. No. 4 of the Jim Dandy lode —
Thence N. 28° 50' W., identical with line 4-3, Jim Dandy lode, 131.40 ft., to line 1-2, M.S. No. 19910 Golden lode;
Thence S. 47° 12' W., identical with line 2-1, M.S. 19910 Golden lode, 275.60 ft., to a point;
Thence N. 79° 00' E., 237.60 ft., to line 4-1, Jim Dandy lode;
Thence N. 50° 23' E., identical with line 1-4, Jim Dandy lode, 42.00 ft., to place of beginning.

Tract A contains 0.450 acres.

LOCATION

This survey is located in the E½ SE¼ sec. 7, SE¼ SW¼ and W½ SW¼ sec. 8, NW¼ NW¼ sec. 17, and NE¼ NE¼ sec. 18, of T. 16 S., R. 80 W., Sixth Principal Meridian, Chaffee County, Colorado.

The survey of the Jim Dandy and Protector lodes and the Dump Millsite is identical with the notice of location or amended notice of location and as marked on the ground. The survey of the Prince lode is wholly within the amended notice of location and as marked on the ground; Cor. Nos. 1 and 2 are identical with corners of the location; Cor. Nos. 3 and 4 differ to the extent previously shown; both hereinafter described.

Location survey corners Jim Dandy lode:

Cor. No. 1, identical with Cor. No. 1, Prince lode, monumented with a wood post, 4 ins. sq., firmly set, projecting 4 ft. above ground, mkd. JD 1 on NE side and PRI 1 on the NW side.

Cor. No. 2, identical with Cor. No. 2, Prince lode, monumented with a granite stone, 30 ins. x 24 ins., firmly set, projecting 12 ins. above ground, mkd. JD 2 on the SE side and PRI 2 on the SW side.

Cor. No. 3, monumented with a wood post, 4 ins. sq., firmly set, projecting 4 ft. above ground and in a mound of stone, 6 ft. base, 5 ft. high, with an aluminum flasher mkd. JD 3.

Cor. No. 4, determined from the location survey witness cor., on line 3-4, 99.66 ft. dist., from the witness cor., which is a point on top of a granite boulder, 48 x 26 ins., 36 ins. above ground, mkd X-WCJD, falls on a rock slide.



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	<p>Location survey corners Prince lode: Cors. 1 and 2 heretofore described. Cors. 3 and 4 hereinafter described.</p> <p>Location survey corners Protector lode: Cor. No. 1, monumented with an unmarked pine post, 8 ins. diam., loosely set, projecting 6 ft. above ground and in a mound of stone, 4 ft. base, 3 ft. high. Cor. No. 2, monumented with a wood stake, 2 ins. x 4 ins., firmly set, projecting 4 ft. above ground, mkd. PRO 2 on E. side. Cor. No. 3, determined from the location survey witness cor., on line 2-3, 110.00 ft. dist., from the witness cor., which is a point 5 ft. above the base of a granite cliff, 120 ft. high, facing S. 10° E., mkd. XWCPRO3, falls at an inaccessible point on the cliff. Cor. No. 4, monumented with an iron rod, 3/4 in. diam., firmly set, projecting 12 ins. above ground.</p> <p>Location survey corners Dump Millsite: Cor. No. 1, monumented with a mound of stone, 4 ft. base, 3 ft. high. Cor. No. 2, monumented with a yellow pine, 18 ins. diam, mkd. DMS-2 on E. side. Cor. No. 3, monumented with a sandstone, 24 ins. x 18 ins., firmly set, projecting 12 ins. above ground and in a mound of stone, 3 ft. base to top, no marks visible. Cor. No. 4, monumented with a pine post, 4 ins. diam., firmly set, projecting 4 ft. above ground, with aluminum tag mkd. DMS4.</p> <p style="text-align: center;">EXPENDITURES</p> <p>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:</p> <p style="text-align: center;"><u>Jim Dandy lode</u></p> <p>No. 1 The discovery cut of the Jim Dandy lode, the face of which being the discovery point, is on the lode line N. 50° 23' E., 496 ft. dist. from a point on line 1-2, 301.30 ft. dist. from Cor. No. 1; 6 ft. wide, 15 ft. face, runs N. 50° 23' E., 30 ft. dist. to face and portal of tunnel, 5 x 7 ft. in size, running N. 50° E., 23 ft. dist. to breast; at breast is a winze, 5 x 5 ft., 20 ft. deep; tunnel and winze timbered. Value of cut, tunnel, and winze, \$380.</p> <p>No. 2 A tunnel, 5 x 7 ft. in size, the portal of which bears N. 70° 57' E., 374 ft. dist. from Cor. No. 2, Jim Dandy lode, and runs N. 51° 03' E., 148 ft. dist., thence N. 31° 45' E., 18 ft. dist., thence N. 50° 31' E., 49 ft. dist. to breast; partly caved. Value, \$2,300.</p> <p>No. 3 A trench, the west end of which bears N. 38° 12' E., 395 ft. dist. from Cor. No. 1, Jim Dandy lode; 4 ft. wide, 8 ft. deep, running N. 48° E., 40 ft. dist. Value, \$125.</p>
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<p>No. 1</p>	<p style="text-align: center;"><u>Prince lode</u></p> <p>The discovery cut of the Prince lode, the face of which being the discovery point, is on the lode line S. 42° 25' W., 849 ft. dist. from the center of line 1-2; 6 ft. wide, 13 ft. face; running N. 42° 25' E., 20 ft. dist. to face. Value, \$100.</p>
<p>No. 2</p>	<p>A shaft, the center of which bears N. 20° 42' E., 450 ft. dist. from Cor. No. 4, Prince lode; 4 x 7 ft., 3 ft. deep. Value, \$130.</p>
<p>No. 1</p>	<p style="text-align: center;"><u>Protector lode</u></p> <p>The discovery cut of the Protector lode, the center of which being the discovery point, is on the center line, N. 47° 49' E., 73 ft. dist. from the center of line 1-2; 6 x 8 ft., 18 ft. deep, partly timbered. Value, \$200.</p>
<p>COMMON IMPROVEMENT</p>	
<p>An interest in a common improvement described as follows:</p>	
<p>A tunnel, 6 x 7 ft. in size, the portal of which bears S. 34° 00' W., 668 ft. dist. from Cor. No. 1, Prince lode; running N. 3° 30' E., 230 ft. dist. to Sta. 1; thence N. 23° 30' E., 280 ft. dist. to pt. A and 350 ft. dist. to Sta. 2; thence N. 7° 45' E., 19 ft. dist. to pt. B, 100 ft. dist. to pt. C, and 210 ft. dist. to breast at date of survey. At pt. A, a drift, 5 x 7 ft. in size, runs N. 74° 30' E., 56 ft. dist. to breast. At pt. B, a drift, 5 x 7 ft. in size, runs N. 58° E., 71 ft. dist. to breast and foot of raise, 5 x 5 ft., 16 ft. high. At pt. C is the beginning of a stope, 70 ft. long, 4 ft. wide, and averaging 30 ft. in height. Value of tunnel, drifts, raise, and stope, \$14,200. Value of one-eighth interest, \$1,775.</p>	
<p>This improvement is in course of construction for the development of the three lodes of this survey and M.S. No. 19142 I.X.L. lode, M.S. No. 19910 Golden lode, M.S. No. 20100 Silver lode, and the Lead King and Daisy lodes, unsurveyed, which are all the contiguous lode claims owned in common within the range of benefit of said tunnel.</p>	
<p>The surface rises rapidly to the north and east from the portal of the tunnel, and the extension in its present course, with necessary laterals, affords the most practical and economical means of developing each of the stated lodes at depth.</p>	
<p>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-eighth interest in its 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.</p>	
<p>The first 165 ft. dist. of this tunnel, valued at \$2,400 was credited to M.S. No. 19142 I.X.L. lode.</p>	



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An undivided one-half interest in the first 290 ft. dist., valued at \$2,200, was credited to M.S. No. 19910 Golden lode.

An undivided one-fifth interest in the first 510 ft. dist., valued at \$1,520, was credited to M.S. No. 20100 Silver lode.

Except as above stated, no portion of or interest in this improvement has been credited heretofore as patent expenditure to any lode claim.

OTHER IMPROVEMENTS

A cut, 6 ft. wide, the face of which bears S. 17° 42' W., 402 ft. dist. from Cor. No. 2, Prince lode, runs East, 20 ft. dist., to 12 ft. face.

A shaft, 4 x 6 ft., 10 ft. deep, the center of which bears N. 37° 17' E., 318 ft. dist. from Cor. No. 1, Jim Dandy lode.

Claimant of each unknown.

A plank ore bin, 14 x 20 ft., 3 ft. deep, the N. corner of which bears S. 3° 00' W., 210 ft. dist. from Cor. No. 1, Dump Millsite; the long sides bears N. 20° W.

Claimant herein.

A frame compressor house and shop, the NE corner of which bears S. 25° 00' E., 80 ft. dist. from Cor. No. 1, Dump Millsite; 16 x 30 ft. in size; the long sides bears N. 85° W.

Claimant herein.

A frame bunkhouse, the NE corner of which bears S. 50° 00' W., 690 ft. dist. from Cor. No. 1, Prince lode; 20 x 50 ft. in size; the long sides bears N. 85° W.

Claimant herein.

A bridge, the east end of which bears S. 3° 00' W., 153 ft. dist. from Cor. No. 1, Dump Millsite; of logs and planks, 10 ft. wide and 30 ft. long, bears N. 50° E. and S. 50° W.

Claimant herein.

OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

The history of official surveys pertaining to this survey is as follows:

Lawrence H. Muller, Mineral Surveyor, surveyed canceled M.S. No. 492 Green Ranger lode in 1877, as shown on the official plat of survey accepted October 30, 1877.

Philip J. Porter, Mineral Surveyor, surveyed M.S. No. 4923 Idella lode in 1880, as shown on the official plat of survey accepted June 4, 1880.

Walter L. Hunnemiller, U.S. Deputy Surveyor, surveyed the subdivisional lines in 1881, as shown on the official plat of survey accepted June 30, 1882.



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Davidson Hull, Mineral Surveyor, surveyed M.S. No. 12071 Major lode in 1886, as shown on the official plat of survey accepted February 8, 1887.

Otto P. Carter, Mineral Surveyor, surveyed M.S. No. 18837 C.O.D. lode in 1904, as shown on the official plat of survey accepted August 4, 1904.

Frank M. Jackson, Mineral Surveyor, surveyed M.S. No. 19142 I.X.L. lode in 1904, as shown on the official plat of survey accepted July 23, 1905.

John M. More, Mineral Surveyor, surveyed M.S. No. 19557 Alley lode in 1905, as shown on the official plat of survey accepted March 18, 1906.

John U. Threadwell, Mineral Surveyor, surveyed M.S. No. 19910 Golden lode in 1907, as shown on the official plat of survey accepted May 19, 1907.

Ernest P. Rand, Mineral Surveyor, surveyed M.S. No. 20062 Copper lode in 1907, as shown on the official plat of survey accepted December 24, 1907.

Thomas A. Till, Mineral Surveyor, surveyed M.S. No. 20100 Silver lode in 1907, as shown on the official plat of survey accepted April 1, 1908.

Arthur A. Johnson, Cadastral Surveyor, resurveyed a portion of the subdivisional lines in 1973, under Group No. 698, as shown on the official plat of survey accepted January 31, 1974.

The U.S. MINERAL MONUMENT – SPORPHYRY; at Latitude $38^{\circ} 44' 51.066''$ N. and Longitude $106^{\circ} 19' 54.616''$ W. NAD 83 (CORS96) (EPOCH:2002); established by M.S. No. 492.

Found a granite stone, 10 x 8 ins., projecting 12 ins. above ground, and in a mound of stone, 2 ft. base, to top, mkd. USMM on NW side.

from which the original bearing objects

A granite rock in place, $2\frac{1}{2} \times 2$ ft., 8 ins. above ground, bears S. $44^{\circ} 40'$ W., 37.4 ft. dist., mkd. USMM XBO SRY.

A granite rock in place, $2 \times 1\frac{1}{2}$ ft., 4 ins. above ground, bears N. $44^{\circ} 20'$ W., 166.4 ft. dist., mkd. USMM XBO SRY. (Record, 176.4 ft.)

At the corner point

Set an aluminum post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 23 ins. in the ground, with aluminum cap mkd.

USMM
SPORPHYRY
MS 492
2009

The $\frac{1}{4}$ sec. cor. of secs. 17 and 18, monumented with an iron post, 2 ins. diam., firmly set, projecting 5 ins. above ground, with brass cap mkd. T16S R80W $\frac{1}{4}$ S17 S18 1973; as described in the dependent resurvey by Arthur A. Johnson, Cadastral Surveyor, accepted January 31, 1974.



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The cor. of secs. 7, 8, 17, and 18, monumented with an iron post, 2 ins. diam., firmly set, projecting 12 ins. above ground, with brass cap mkd. T16S R80W S7 S8 S17 S18 1973, with a mound of stone, 3 ft. base, 2 ft. high, W. of the corner; as described in the dependent resurvey by Arthur A. Johnson, Cadastral Surveyor, accepted January 31, 1974.

The $\frac{1}{4}$ sec. cor. of secs. 8 and 17, remonumented with an aluminum tablet, 4 ins. diam., firmly set in concrete, flush with the surface of the ground, mkd. T16S R80W $\frac{1}{4}$ S8 S17 1974; by Charles M. Gesner, Registered Land Surveyor No. 1492, in 1974, as described in Record of Survey No. 26401, Chaffee County Surveyor's Office. This is accepted as a careful and faithful perpetuation of the position of the original corner.

The W $\frac{1}{16}$ sec. cor. of secs. 8 and 17, established by Charles M. Gesner, Registered Land Surveyor No. 1492, in 1974, as described in Record of Survey No. 26401, Chaffee County Surveyor's Office, with an iron rod, $\frac{5}{8}$ in. diam., firmly set, projecting 4 ins. above ground, with aluminum cap mkd. W $\frac{1}{16}$ S8 S17 1974. This is accepted as a careful and faithful establishment of the corner position.

The $\frac{1}{4}$ sec. cor. of secs. 7 and 8 was searched for and no evidence found. Calculated corner position by single proportion; no permanent monument established.

The cor. of secs. 5, 6, 7, and 8, determined from the remains of two original bearing trees; a yellow pine snag, 28 ins. diam., 10 ft. high, bears N. 10° E., 50 lks. dist., with healed blaze; and a rotted silver spruce stump, 24 ins. diam., 3 ft. high, bears S. 70° E., 75 lks. dist., with truncated healed blaze showing on top; chopped open blaze and found BT scribe marks on 10 ins. core diam. (Record 12 ins. diam., S. 80° E.); found no evidence of the remaining original bearing trees. At the corner point, set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 23 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd. T16S R80W S5 S6 S7 S8 2009; from which a new bearing tree, a yellow pine, 8 ins. diam., bears N. 42° W., 109 lks. dist., mkd. T16SR80WS6BT.

The $\frac{1}{4}$ sec. cor. of secs. 7 and 18, monumented with the original stone, 18 x 12 ins., firmly set, projecting 5 ins. above ground, mkd. $\frac{1}{4}$ on north face.

The section line bearings are reported as mean bearings.

The line from the $\frac{1}{4}$ sec. cor. of secs. 17 and 18 to the cor. of secs. 7, 8, 17, and 18 was found to be North, 2,650.32 ft. dist., instead of the record N. $0^{\circ} 05'$ W., 2,652.02 ft. dist., as approved in the 1974 dependent resurvey

The line from the $\frac{1}{4}$ sec. cor. of secs. 8 and 17 to the W $\frac{1}{16}$ sec. cor. of secs. 8 and 17 was found to be S. $89^{\circ} 58'$ W., 1,310.74 ft. dist., instead of S. $89^{\circ} 54'$ W., 1,309.90 ft. dist., as shown on Record of Survey No. 1492. The record was West, 1,317.36 ft. dist., by the original 1881 survey.

The line from the W $\frac{1}{16}$ sec. cor. of secs. 8 and 17 to the cor. of secs. 7, 8, 17, and 18 was found to be N. $89^{\circ} 59'$ W., 1,308.88 ft. dist., instead of S. $89^{\circ} 54'$ W.,



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1,309.90 ft. dist., as shown on Record of Survey No. 1492. The record was West, 1,317.36 ft. dist., by the original 1881 survey.

The line from the cor. of secs. 7, 8, 17, and 18, to the cor. of secs. 5, 6, 7, and 8, was found to be N. 0° 50' E., 5,313.52 ft. dist., instead of the record North, 5,280 ft. dist., by the original 1881 survey.

The line from the cor. of secs. 7, 8, 17, and 18, to the ¼ sec. cor. of secs. 7 and 18, was found to be N. 89° 16' W., 2,602.26 ft. dist., instead of N. 89° 19' W., 2,603.24 ft. dist., as shown on Record of Survey No. 1785, Chaffee County Surveyor's Office, by Charles M. Mercer, Registered Land Surveyor No. 2020, in 1999. The record was S. 89° 56' W., 2,636.43 ft. dist., by the original 1881 survey.

M.S. No. 4923 Idella lode: Cor. Nos. 1, 3, and 4 are monumented with granite stones, firmly set and properly mkd.; Cor. No. 2 is lost. Line 3-4 was found to be approximately correct as approved; line 4-1 was found to be S. 65° 05' E., 299.40 ft. dist., instead of S. 65° 12' E., 300.00 ft. dist., as approved; line 1-2 shown as approved.

M.S. No. 12071 Major lode: Cor. No. 2 is monumented with a pine post, firmly set and properly mkd. Cor. No. 2 is identical with Cor. No. 4, M.S. No. 20062 Copper lode described below; no other corners could be found. All lines shown as approved. Owing to the absence of Cor. No. 1, the apparent error in the connecting line to the cor. of secs. 7, 8, 17, and 18, could not be verified.

M.S. No. 18837 C.O.D. lode: Cor. No. 3 is monumented with a granite stone, firmly set and properly mkd.

M.S. No. 19142 I.X.L. lode: Cor. Nos. 2, 3, and 4 are monumented with pine posts, firmly set and properly mkd.; Cor. No. 1 could not be found. Lines 2-3 and 3-4 are correct as approved; lines 1-2 and 4-1 are shown as approved.

M.S. No. 19557 Alley lode: Cor. No. 1 is monumented with a pine post and Cor. No. 4 with a granite stone, both firmly set and properly mkd.; Cor. Nos. 2 and 3 are lost. Line 4-1 was found to be S. 44° 30' W., 1,500.00 ft. dist. instead of S. 44° 20' W., 1,500.00 ft. dist., as approved; lines 1-2 and 3-4 are shown at right angles to line 4-1, and each 300.00 ft. dist. as approved; this makes line 2-3, N. 45° 30' E., instead of N. 45° 20' E., as approved, and lines 1-2 and 4-3 each N. 45° 30' W., instead of N. 45° 40' W, as approved. From Cor. No. 4 of the Alley lode, Cor. No. 2, M.S. No. 12071 Major lode, identical with Cor. No. 4, M.S. No. 20062 Copper lode, bears S. 21° 10' W., 128.70 ft. dist., instead of S. 20° 35' W., 136.0 ft. dist., as approved.

M.S. No. 19910 Golden lode: Cor. Nos. 1, 2, and 6 are monumented with granite stones, firmly set and properly mkd. Lines 1-2 and 6-1 are correct as approved.

M.S. No. 20062 Copper lode: Cor. Nos. 1, 2, and 3 are monumented with pine posts, firmly set and properly mkd. Cor. No. 4 is identical with Cor. No. 2, M.S. No. 12071 Major lode, described above. All lines are correct as approved.



Mineral Survey No. 20220 A and B
T. 16 S., R. 80 W., Sixth Principal Meridian, Colorado

M.S. 20100 Silver lode: Cor. Nos. 1 and 2 are monumented with granite stones, firmly set and properly mkd. Line 1-2 is correct as approved.

MEMORANDUM

[EDITOR NOTE.— Here explain any allowable disagreement with the location certificate, and show the cause.]

Location survey corners Prince lode:

Cor. No. 3 is monumented with a pine post, 4 ins. sq., firmly set, projecting 4 ft. above ground and in a collar of stones, mkd. PRI 3 on E. side.

Cor No. 4 is monumented with a mound of stones, 4 ft. base, 3 ft. high.