

JUL-7-1920

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MINERAL SURVEY No. 3606

ARIZONA

Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

the Ray Broken Hill Mining Company

KNOWN AS THE

Gossin, Ray Heights, Iron Blossom, Great View, Gila Monster, Porphyry Dyke lodes

Mineral Creek Mining District,

Pinal County, Arizona

Section S. 13-24 & 18-19 Township 3 S., Range 13 & 14 E. respectively Unapproved.

Surveyed under instructions dated July 13, 1919

by W. M. Whitaker

Gossin) U. S. Mineral Surveyor.
Ray Heights) Gila Monster Dec. 26, 1916
Iron Blossom) Jan. 1, 1911 Porphyry Dyke Mar. 25, 1919
Great View)

Claim located See location notices, 1919

Survey commenced August 1st, 1919

Survey completed June 5th., 1920

Address of claimant C/o I. J. Lipsohn, Phoenix, Ariz.

DATES OF AMENDED LOCATIONS.

Gossin)
Ray Heights)
Iron Blossom) March 25, 1919
Great View)
Gila Monster)

MINERAL SURVEY NO. 3606

	M & B Desc.	Improvements	Loc. Notices
Claims			
Gila Monster	Pg. 1	Pg. 12	<u>Red</u> Pg. 9
Gossin	3	12	1
Great View	8	16	7
Iron Blossom	7	15	5
Porphyry Dyke	4	14	13
Ray Heights	6	15	3

Gila Monster Lode

Feet	
	<p>Beginning at cor. No. 1.</p> <p>Identical with the N.W. of the location.</p> <p>A 4"x 4" pine post ^{5' long} set 12" in ground, surrounded by mound of stone, scribed 1-3606. G.M. Whence.</p> <p>The $\frac{1}{4}$ cor. of sec. 13, T.3 S.R.13 E. and sec. 18 T.3. S.R. 14 E. G & S.R.B & M. bears N.82°47'E. 842.20 ft.</p> <p>A cross (x) B.R. 1-3606 chiselled on a 2'x 5' quartzite face, facing north, bears S. 16°34' W. 16.70 ft.</p> <p style="text-align: center;">Thence S. 47°40' E.</p>
450.40	Intersect South end line Aztec Lode, unsurveyed at S. 89°12' E. 450.90 ft. from the S.W. cor.
1130.94	Intersect line between Sec. 13 and sec. 18 T.3 S. R. 13 & 14 E. G & S.R. B & M. at S. 0°02' E. 867.42 ft. from the $\frac{1}{4}$ cor. and at N. 00°02' W. 1768.48 ft. from the cor. of secs. 13-18-19-24
1500.00	<p>To cor. No. 2.</p> <p>Identical with the N.E. cor. of the location.</p> <p>A 4" x 4" pine post 5' long set 12" in ground on rock, surrounded by mound of stones, scribed 2-3606 G.M. Whence.</p> <p>A cross (x) B.R. 2-3606, chiselled on a 2'x 2' limestone facing upwards bears S. 60°27' E. 17.10 ft.</p> <p style="text-align: center;">Thence S. 42°20' W.</p>
230.00	End center of the lode. and lode
328.30	<p>To cor. No. 3.</p> <p>Identical with cor. No. 4 Gossin Lode of this survey.</p> <p>A 4"x4" pine post 5' long set 6" in ground on rock, surrounded by mound of stone, scribed 3-3606 G.M. 4-3606 G. on respective sides. Whence</p> <p>A cross(x) B.R. 3-4-3606 chiselled on a 4'x4' limestone facing upwards bears N. 21°18' W. 7.62 ft.</p> <p>The S.E. cor. of the location bears S. 42°20' W. 131.70 ft.</p> <p>A 4'x4'pine post 5' long set on rock surrounded by a mound of stones.</p> <p style="text-align: center;">Thence N. 47°40' W.</p>

MINERAL SURVEY NO 3606.

Gila Monster Lode (cont'd)

69.63	Intersect line between secs. 13 & 18 T. 3 S. R. 13 & 14 E.G. S.R. B & M. at S. 00° 02' E. 1311.76 ft. from the $\frac{1}{4}$ cor. and at N. 00° 02' W. 1324.14 ft. from the cor. common to secs. 13-18-19-24.
750.00	Intersect gulch course. S.W.
1050.00	Intersect draw course westerly.
1420.24	Intersect south end line Bed Rock Lode unsurveyed at N. 89° 12' W. 44.24 ft. from the S.E. cor.
1450.00	Intersect draw course westerly.
1500.00	To cor. No. 4. Identical with cor. No. 3 Gossin Lode of this survey. A 4"x 4" pine post 5' long set in ground 6" on rock surrounded by mound of stone, scribed 4-3606 G.M. 3-3606 G. on respective sides. Whence. B.S.L.M. No. 1. bears S. 80° 26' W. 5499.8 ft. A cross (x) B.R. 4-3-3606, chiselled on a 2'x 2' quart- zite facing south bears S. 88° 05' E. 33.37 ft. The S.W. cor. of the location bears S. 42° 20' W. 131.70 ft. A 4"x 4" pine post 5' long set on rock, surrounded by mound of stones. S.W. cor. Aztec Lode, unsurveyed and S.E. cor. Bed Rock Lode unsurveyed, bears S. 62° 14' E. 116.63 ft. N.E. cor. Eureka Lode unsurveyed bears N. 48° 50' W. 242.37 ft. Cor. No. 4 Bonanza Lode sur. No. 2570 A. bears S. 84° 43' W. 498.85 ft. Thence N. 42° 20' E.
98.30	End center of the lode.
156.17	Intersect west side line Aztec Lode, unsur. and east side line Bed Rock Lode unsur. at N. 00° 40' E. 169.78 ft. from S.W. & S.E. cors. respectively
328.30	To cor. No. 1. The place of beginning.

MINERAL SURVEY NO. 3606

Gossin Lode

Feet	
	Beginning at cor. No. 1
	Identical with the S. E. cor. of the location and with cor. No. 4 Porphyry Dyke Lode of this survey.
	On line 2-3 Great View Lode of this survey at N. 42° 20' E 131.70 ft. from cor. No. 2.
	A 4"x 4" pine post 5' long set 12" in ground to rock surrounded by mound of stones, scribed 1-3606 G. 4-3606 P.D. on respective sides. Whence.
	The cor. common to Secs 15-24 T.3 S.R. 13 E. and secs. 18-19 T.3 S.R. 14 E. G & S.R. B & M. bears S. 22° 58' 20" E. 905.56 ft.
	A cross (x) B.R. 4-1-3606 chiselled on a 4'x 4' limestone facing north bears S. 84° 15' W. 21.47 ft.
	Thence N. 47° 40' W.
530.00	Intersect gulch course S.W.
1300.00	Intersect road course N.E. to S.W.
1500.00	To cor. No. 2.
	Identical with the S.W. cor. of the location and with cor. No. 3 Porphyry Dyke Lode of this survey.
	A 4"x 4" pine post 5' long set on rock, surrounded by mound of stones, scribed 2-3606 G. 3-3606 P.D. on respective sides. Whence.
	U.S.L.M. No. 1 bears S. 84° 38' 50" W. 5041.2 ft.
	A cross (x) B.R. 2-3-3606, chiselled on a 2'x 2' face in diabase, facing north bears S. 25° 10' W. 32.20 ft.
	Thence N. 42° 20' E.
300.00	End center of the lode.
430.00	Intersect draw course N.W.
500.00	Intersect draw course westerly.
529.35	<i>South end line</i> Intersect Bed Rock Lode unsur. at N. 89° 12' W. 150.79ft. from S. E. cor.
600.00	To cor. No. 3.
	Identical with N.W. cor. of the location and with cor. No. 4 Gila Monster Lode, of this survey heretofore described.
	Thence S. 47° 40' E.

MINERAL SURVEY NO. 3606

Gossin Lode (cont'd)

50.00	Intersect draw course westerly.
79.76	Intersect south end line Bed Rock Lode, unsur., at N. 89° 12' W. 44.24 ft. from S.E. cor.
450.00	Intersect draw course westerly.
750.00	Intersect gulch course S.W.
1430.37	Intersect line between Secs. 13 & 18 T.3 S.R. 13 & 14 E. G & S.R. B & M. at S. 00° 02' E. 1311.76 ft. from the $\frac{1}{4}$ cor. and at N. 00° 02' W. 1324.14 ft. from the cor. of secs. 13-18-19-24.
1500.00	To cor. No. 4. Identical with the N.E. cor. of the location and with cor. No. 3 Gila Monster Lode of this survey, heretofore described. Thence S. 42° 20' W.
76.25	Intersect line between Secs. 13 & 18 T.3 S.R. 13 & 14 E.G. & S.R. B & M. at S. 00° 02' E. 1414.96 ft. from the $\frac{1}{4}$ cor. and at N. 00° 02' W. 1220.94 ft. from the cor. to secs. 13-18-19-24
131.70	Cor. 3 Great View Lode, of this survey.
300.00	End center of the lode.
600.00	To cor. No. 1. The place of beginning.

 PORPHYRYDYKE LODE

Beginning at Cor. no. 1.
Identical with the S.E. cor. of the location and with Cor. No. 1. Ray Heights, ^{lode,} Cor. No. 4 Iron Blossom Lode, and Cor. No. 2 Great View Lode, all of this survey.
A 4"x 4" pine post, 5' long set 12" in ground to rock surrounded by mound of stones, scribed 1-3606 P.D.
1-3606 R.H. 4-3606 I.B. 2-3606 G.V. on the respective sides. Whence.
The cor. common to secs. 13-24 T.3 S.R. 13 E. and secs. 18-19 T.3 S.R. 14 E.G. & S.R. B & M. bears S 30° 58' 50" E. 858.92 ft.

MINERAL SURVEY NO 3606.

Porphyry Dyke Lode (cont'd)

- A cross (x) B.R. 1-1-4-2-3606 chiselled on a 2'x 2' limestone facing upwards, bears S. 42° 20' W. 4.30 ft.
Thence N. 47° 40' W.
- 500.00 Intersect gulch course S.W.
- 1250.00 Intersect road course N.E. to S.W.
- 1471.80 Intersect ^{east} line Eureka Lode unsur. at S. 21° 55' W.
775.48 ft. from N.E. cor.
- 1500.00 To cor. No. 2.
Identical with the S.W. cor. of the location and with cor. No. 4 Ray Heights Lode of this survey.
- A 4"x4" pine post 5' long set 12" in ground surrounded by mound of stones, scribed 2-3606 P.D. 4-3606 R.H. on the respective sides. Whence.
U.S.L.M. No. 1 bears S. 85° 40' 30" W. 4944.6 ft.
No bearings available.
Thence N. 42° 20' E.
- 65.85 End center of the lode.
- 75.75 Intersect east side line Eureka Lode unsur. at S. 21° 55' W. 694.65 ft. from N.E. cor.
- 131.70 To cor. No. 3.
Identical with N.E. cor. of the location and with cor. No. 2. Gossin Lode of this survey heretofore described.
Thence S. 47° 40' E.
- 200.00 Intersect road course N.E. to S.W.
- 970.00 Intersect gulch course S.W.
- 1500.00 To cor. No. 4.
Identical with the N.E. cor. of the location and with cor. No. 1. Gossin Lode of this survey, heretofore described.
On line 2-3 Great View Lode of this survey at S. 42° 20' W. 468.30 ft. from cor. No. 3
Thence S. 42° 20' W.
- 65.85 End center of the lode.
- 131.70 To cor. No. 1.
The place of beginning.

MINERAL SURVEY NO. 3606

Ray Heights Lode.

Feet	
	Beginning at cor. No. 1. Identical with the N.E. cor. of the location and with cor. No. 4 Iron Blossom Lode, cor. No. 2 Great View Lode and cor. No. 1 Porphyry Dyke Lode, all of this survey, heretofore described. Whence.
	The cor. common to secs. 13-24 T.3 S.R. 13 E. and secs. 18-19 T.3 S.R. 14 E. G & S.R. B & M. bears $\overset{S}{\Delta} 30^{\circ} 58' 50''$ E 858. 92 ft.
	Thence S. $42^{\circ} 20'$ W.
300.00	End center of the lode.
490.00	Intersect gulch course westerly.
600.00	To cor. No. 2.
	Identical with the S.E. cor. of the location and with cor. No. 3 Iron Blossom Lode of this survey.
	A 4"x4" pine post 5' long set 18" in ground surrounded by mound of stones, scribed 2-3606 R.H. 3-3606 I.B. on the respective sides.
	No bearing available.
	Thence N. $47^{\circ} 40'$ W.
60.00	Intersect gulch course westerly.
255.00	Intersect road course S.W.
360.00	Intersect gulch course S.W.
1248.49	Intersect east side line Eureka Lode, unsur. at N. $21^{\circ} 55'$ E. 28.96 ft. from S.E. cor.
1500.00	To cor. No. 3.
	Identical with the S. W. cor. of the location.
	A 4" x 4" pine post 5' long set 12" in ground surrounded by mound of stones scribed 3-3606 R. H.
	U.S.L.M.N ^o 1 Bears N $89^{\circ} 06' 20''$ W 4529.0 Ft
	No bearing available.
	Thence N. $42^{\circ} 20'$ E.
300.00	End center of the Lode.
600.00	To cor. No. 4.
	Identical with the N.W. cor. of the location and with Cor. No. 2 Porphyry Dyke Lode of this survey, heretofore described
	Thence S. $47^{\circ} 40'$ E.
28.20	Intersect east side line Eureka Lode unsur. at N. $21^{\circ} 55'$ W.

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Ray Heights Lode (cont'd)

Feet	669.12 ft. from S. E. Cor.
250.00	Intersect road course N.E. to S.W.
1000.00	Intersect gulch course S:W.
1500.00	To cor. No. 1.
	The place of beginning
<hr/>	
IRON BLOSSOM LODE.	
	Beginning at cor. No. 1.
	Identical with the N. E. cor. of the location and with cor. No. 1, Great View Lode of this survey.
	A 4"x 4" pine post 5' long set 6" in ground surrounded by mound of stones, scribed 1-3606 I.B. 1-3606 G.V. on the respective sides. Whence.
	The cor. common to secs. 13-24 T.3 S.R. 13 E. and secs. 18-19 T.3 S.R. 14 E.G. & S.R. B & M. bears N. $67^{\circ} 40' 30''$ W. 720.75 ft.
	A cross (x) B.R. 1-1-3606, chiselled on a 2'x 2' face in limestone cliffs facing east, bears S. $42^{\circ} 20'$ W. 23.20 ft.
	Thence S. $42^{\circ} 20'$ W.
300.00	End center of the lode.
600.00	To cor. No. 2.
	Identical with the S. E. cor. of the location.
	A 4"x4" pine post 5' long, set 6" in ground to rock surrounded by mound of stones scribed 2-3606 I.B. Whence.
	A cross (x) B.R. 2-3606, chiselled on a 2'x2' quartzite face, facing east bears S. $18^{\circ} 17'$ W. 11.70 ft.
	The $\frac{1}{4}$ cor. to sec. 24 T.3 S.R. 13 E. and 19 T. 3 S.R. 14 E G & S.R. B & M. bears S $7^{\circ} 44' 40''$ W. 1937.50 ft.
	Thence N. $47^{\circ} 40'$ W.
355.03	Intersect line between secs. 19-24 T.3 S.R. 13 & 14 E. G.& S.R. B & M. at S. $00^{\circ} 02'$ E. 478.20 ft. from the cor. of secs. 13-18-19-24 and at N. $00^{\circ} 02'$ W. 2159.00ft. from the $\frac{1}{4}$ cor. of secs 19 & 24.

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Iron Blossom Lode (cont'd)

Feet	
1060.70	Intersect line between secs. 13-24 T.3 S.R. 13E. at N. $89^{\circ} 40' 15''$ E. 2106.22 ft. from the $\frac{1}{4}$ cor. of secs. 13-24 and at S. $89^{\circ} 40' 15''$ W. 521.38 ft. from the cor. to secs. 13-18-19-24
1500.00	To cor. No. 3. Identical with the S.W. cor. of the location and with cor. No. 2 Porphyry Dyke ^{Ray Heights} Lode of this survey, heretofore described. Whence U.S.L.M. No. 1 bears N. $79^{\circ} 08' 40''$ W. 5738 ft. The $\frac{1}{4}$ cor. sec. 13-24 T.3 S.R. 13 E. bears S. $80^{\circ} 11' 30''$ W. 1807.80 ft.
	Thence N. $42^{\circ} 20'$ E.
110.00	Intersect gulch course westerly.
300.00	End center of the lode.
600.00	To cor. No. 4. Identical with the N.W. cor. of the location and with cor. No. 2. Great View Lode, cor. No. 1. Porphyry Dyke Lode and cor. No. 1 Ray Heights Lode, all of this survey heretofore described.
	Thence S. $47^{\circ} 40'$ E.
270.00	Intersect gulch course westerly.
597.83	Intersect line between secs. 13 & 18 T.3 S.R. 13 & 14 E. G & S.R. B & M. at N. $00^{\circ} 02'$ W. 333.79 ft. from the cor. to secs 13-18-19-24 and at S $00^{\circ} 02'$ E. 2302.11 ft. from the $\frac{1}{4}$ cor.
1089.71	Intersect line between secs. 18-19 T.3 S.R. 14 E. G & S.R. B & M. at N. $89^{\circ} 36' 10''$ E. 363.44 ft. from the cor. to secs. 13-18-19-24 and at S. $89^{\circ} 36' 10''$ W. 2117.76 ft. from the $\frac{1}{4}$ cor.
1500.00	To cor. No. 1. The place of beginning.
<hr/> GREAT VIEW, LODE.	
	Beginning at cor. No. 1.
	Identical with the S.E. cor. of the location and with

Great View Lode (cont'd)

Feet	
	<p>cor. No. 1. Iron Blossom Lode of this survey, heretofore described. Whence.</p> <p>The cor. common to secs. 13-24 T.3 S.R. 13 E. and secs. 18-19 T.3 S.R. 14 E. G. & S.R. B & M. bears N. 67° 40' 30" W. 720.75 ft.</p> <p>Thence N. 47° 40' W.</p>
410.29	<p>Intersect line between secs. 18-19 T.3 S.R. 14 E. G & S.R. B & M. at S. 89° 36' 10" W. 2117.76 ft. from the $\frac{1}{4}$ cor. and at N. 89° 36' 10" E. 363.44 ft. from the cor. to sec. 13-18-19-24.</p>
902.17	<p>Intersect line between secs. 13 & 18 T. 3 S.R. 13 & 14 E. G. & S.R. B & M. at N. 00° 02' W. 333.79 ft. from the cor. to secs. 13-18-19-24 and at S. 00° 02' E. 2302.11 ft. from the $\frac{1}{4}$ cor.</p>
1230.00	Intersect gulch course westerly.
1500.00	<p>To cor. No. 2.</p> <p>Identical with the S.W. cor. of the location and with cor. No. 1. Porphyry Dyke Lode, cor. No. 1 Ray Heights Lode and cor. No. 4 Iron Blossom Lode all of this survey heretofore described. Whence.</p> <p>U.S.L.M. No. 1 bears N. 83° 58' 40" W. 6072.9 ft.</p> <p>Thence N. 42° 20' E.</p>
131.70	<p>Cor. No. 1 Gossin Lode and cor. No 4 Porphyry Dyke Lode all of this survey.</p>
300.00	End center of the lode.
600.00	<p>To cor. No. 3.</p> <p>On line 4-1 Gossin Lode of this survey, at 42° 20' W. 131.70 ft. from cor. No. 4.</p> <p>A 4"x 4" pine post 5' long set 12" in ground to rock, surrounded by mound of stones, scribed 3-3606 G.V.</p> <p>Whence</p> <p>A cross (x) B.R. 3-3606, chiselled on a 3' x 4' limestone facing upwards, bears S. 88° 22' W. 38.80 ft.</p> <p>Thence S. 47° 40' E.</p>
50.59	<p>Intersect line between secs. 13 & 18 T.3 S.R. 13 & 14 E. G. & S.R. B & M. at S. 00° 02' E 1490.01 ft. from</p>

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Great View Lode (cont'd)

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Feet	the $\frac{1}{4}$ cor. and at N. $00^{\circ} 02'$ W. 1145.89 ft. from the cor. to secs. 13-18-19-24
600.00	Intersect gulch course S.W.
1500.00	To cor. No. 4.
	Identical with the N.E. cor. of the location.
	A 4"x 4" pine post 5' long set 6" in ground on rock, surrounded by mound of stones, scribed 4-3606 G.V. Whence
	A cross (x) B.R. 4-3606; chiselled on a 2' x 4' face on limestone cliffs facing east, bears N. $70^{\circ} 52'$ W. 50.94ft.
	The $\frac{1}{4}$ cor. secs: 18-19 T.3 S.R. 14 E.G. & S.R. B & M. bears S. $83^{\circ} 49' 40''$ E. 1418.60 ft.
	Thence S. $42^{\circ} 20'$ W.
221.00	Intersect line between secs: 18-19 T.3 S.R. 14 E. at S. $89^{\circ} 36' 10''$ W. 1559.21 ft. from the $\frac{1}{4}$ cor. and at N. $89^{\circ} 36' 10''$ E. 921.99 ft. from the cor. of secs. 13-18-19-24
300.00	End center of the lode.
600.00	To cor. No. 1.
	The place of beginning.
	Variation at all corners 14° E.

Lode Lines

As near as can be determined from present developments the veins of these locations, embraced in this survey extend as follows, from the discovery point;-

GILA MONSTER LODE.

N.47 40'W.1434 ft. and S.47 40'E. 66 ft.

GOSSIN LODE.

N.47 40'W. 320 ft. and S.47 40'E. 1180 ft.

PORPHYRY DYKE LODE.

N.47 40' W. 230 ft. and S. 47 40' E. 1270 ft.

RAY HEIGHTS LODE.

N. 47 40' W. 422 ft and S. 47 40' E. 1078 ft.

IRON BLOSSOM LODE.

N. 47 40'W. 790 ft. and S. 47 40' E. 710 ft.

GREAT VIEW LODE.

N. 47 40' W. 21 ft. and S. 47 40' E. 1479 ft.

AREA.

Acres.

Total area Gila Monster Lode,	11.305
Area in conflict with Bed Rock Lode unsur.	0.229 A.
Area in conflict with Aztec Lode unsur.	1,768 A.
Total area GOSSIN LODE,	20.661
Area in conflict with Bed Rock Lode unsur.	0.065 A.
Total Area PORPHYRY DYKE LODE,	4.535
Area in conflict with Eureka Lode unsur.	0.025 A.
Total area RAY HEIGHTS LODE	20.661
Area in conflict with Eureka Lode unsur.	1.926.A.
TOTAL AREA IRON BLOSSOM LODE.	20.661
TOTAL AREA GREAT VIEW LODE.	20.661

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Location

This survey is located in the S.E. $\frac{1}{4}$ sec. 13, NE $\frac{1}{4}$ Sec. 24, T 3 S. R. 13 E. G. & S. R. B. & M. and the SW $\frac{1}{4}$ Sec. 18 and the NW $\frac{1}{4}$ sec. 19, T.3 S. R. 14 E. G. & S. R. B. & M. all unapproved, Mineral Creek mining district, Pinal County, Arizona Land district, State of Arizona.

EXPENDITURE OF FIVE HUNDRED DOLLARS.

I certify that the value of labor and improvements made upon or for the benefit of these locations by the claimants or its grantors, is not less than Five Hundred dollars, for each claim and that said improvements consist of:-

No.1. GILA MONSTER LODGE.

The discovery cut showing mineral in place, an open cut on lode line 66.00 ft. distant from the S.E. end center of the lode, running N. 42 00' E. 12 ft., 4 ft. wide, 10 ft. face.

VALUE \$35.00

Value of 1/8 interest improvement No. 2 GOSSIN LODGE credited to this claim, 650.00

Value of 1/7 interest Main working tunnel credited to this claim, 642. 85

Value of 1/4 interest improvement No.3 GOSSIN LODGE credited to this claim, 682.12

No.1. GOSSIN LODGE.

The discovery cut showing mineral in place, the mouth of which bears from the N.W. end center of the lode, S.47° 40' E. 320 ft. running S. 8° 12'E. 15 ft. in cut 13 ft. in 5'x7' tunnel,

Value 82.00

No. 2.

A timbered shaft 260,0 ft. deep, 4'x6' clear of timber, the center of which bears from cor. No.3

S.2 40'E. 317.) ft.

MINERAL SURVEY No.3606.

Value \$5200.00

Value of 1/8 interest improvement No.2 credited
to this claim, 650.00

Note:- This shaft, being centrally located, is a practicable and feasible main working shaft for the group, as by drifting and cross-cutting therefrom in different directions, towards and under the several claims of this group, the entire group may be advantageously developed and ore extracted therefrom. This improvement is therefore a common improvement for the benefit of each claim to which credit is given, and a 1/8 undivided interest of the total value of this improvement (650.00) is properly accredited to each of the claims of this group, the Porphyry Dyke excepted. The general slope of the surface of the claim is upward from the northwest to the Southeast. This shaft is centrally located and at its present depth, the bottom thereof is below the surface of each claim of this group, making it possible to extend cross-cuts and drifts from this shaft and intersect the ore bodies lying under each claim.

A 1/8 interest in this shaft to be accredited to each of the following lodes, viz: Gila Monster, Gossin, Ray Heights, Iron Blossom and Great View of this survey and the X Ray, Side Issue and East End Lodes, unsurveyed claimants herein. No credit is given the Porphyry Dyke Lode of this survey as this improvement was made prior to the location of the Porphyry Dyke Lode. The Porphyry Dyke Lode is a fraction claim left after amending the Gossin and Ray Heights Lodes, the Gossin and Ray Heights Lodes were adjoining claims at the time this improvement was made.

No.3.

A tunnel 5' X 7' the mouth of which bears from cor.

No.3. S.2 40' E. 224.40 ft. Thence S. 34 44' E 23.5 ft.

MINERAL SURVEY NO. 3606;

Thence S. 11 55' E. 29.7 ft. Thence S. 21.05' E. 27.00 ft. to point "A" Thence S. 25° 16' E. 96.1 ft. thence S. 20° 13' E. 60.4 ft. Thence S. 16 33' E. 11.7 ft. Thence S. 25° 46' E. 61.3 ft. Thence S. 87° 49' E. 23.0 ft. to breast.

Begin Point "A". Thence S. 62° 02' W. 31.4 ft. Thence S 53° 00' W. 39.6 ft. Thence S. 49° 44' W. 49.0 ft. to end,

Value \$2728.50

Value 1/4 Interest ⁱⁿ this improvement credited to this claim, 682.12

Note:- A 1/4 interest in this tunnel to be accredited to each of the following claims, viz: Gila Monster, Gossin, Ray Heights of this survey and the X Ray Lode unsur. claimants herein. Value 1/4 interest, \$682.12

From the portal of this tunnel the surface of the claim rises rapidly to the southeast and by the continuation of this tunnel it would be a practicable and feasible means to intersect and extract the ore bodies lying beneath the surface of the above mentioned claims, therefore an undivided 1/4 interest is properly accredited to the Gossin, Gila Monster and Ray Heights lodes of this survey and the X Ray lode unsur. claimant herein.

No credit is given the Porphyry Dyke lode as this improvement was made prior to the location of the Porphyry Dyke Lode. No credit is given other lodes of this survey as I do not consider it practicable as a main working tunnel. A 1/7 interest in main working tunnel credited to this claim

Value \$642.85

PORPHYRY DYKE LODGE.

No.1. The discovery an open cut and tunnel showing mineral in place, the mouth of which bears from the NW end center of this lode S 47° 40' E 230.0 ft. running

MINERAL SURVEY NO. 2606.

S. 23° 50' E. 7 ft. in cut 13.0 ft in 5' x 7' tunnel.
Value \$40.00

A 1/7 interest in main working tunnel credited to
this claim

Value \$642.85

RAY HEIGHTS LODE.

No.1.

The discovery showing mineral in place, an open cut
and tunnel, the mouth of which bears from the NW end
center S 47° 40' E 422.0ft. running N. 44° 02' E. 18.7
ft. in cut, thence, S 80° 37' E 68.0 ft. in tunnel,
thence S. 82° 08' E 15.0 ft. to breast 5' x 7' tunnel

Value ~~1/8 interest~~ \$400.00

Value 1/8 interest improvement No.2 Gossin Lode
credited to this claim, 650.00

Value 1/4 interest improvement No. 3 Gossin
Lode credited to this claim. 682.12

Value 1/7 interest main working tunnel credited to
this claim, 642.85

IRON BLOSSOM LODE.

No.1 The discovery showing mineral in place an open
cut on lode 790.0 ft. distant from the N.W. end center
running S. 47° 40' E. 15.0 ft. in cut 5' wide 12' face.

Value \$50.00

No:2.

An open cut and tunnel the mouth of which bears from
cor. No. 3 S. 89° 14' E. 464.0 ft. Thence S. 65° 14' E
18.0 ft. in cut 80.0 ft in 5' x 7' tunnel, Thence
N. 86° 01' E. 25.0 ft. Thence S. 51° 04' E. 84.0 ft. to
breast.

Value \$990.00

No.3.

An open cut and tunnel the mouth of which bears from
cor. No.3 S. 78° 53' E. 584.5 ft. running S. 48° 16' E
27.0 ft. in cut 105.0 ft. in 5' x 7' tunnel.

MINERAL SURVEY No.3606.

Value \$592.50

No.4.

An open cut and tunnel the mouth of which bears from cor. No.3. S. $69^{\circ} 46'$ E. 694.0 ft. running S. $67^{\circ} 08'$ E 19 ft. in cut 24 ft. in 5' x 7' tunnel.

Value \$165.00

No.5.

An open cut and tunnel the mouth of which bears from cor. No.3 S. $71^{\circ} 08'$ E. 830.0 ft, thence S $83^{\circ} 22'$ E 20.0 ft. in cut 26.0 ft in 5' x 7' tunnel Thence N. $86^{\circ} 08'$ E. 33.0 ft. to breast.

Value \$345.00

Note:- A 1/5 interest in improvements Nos. 2-3-4-5
 $\begin{matrix} 418.50 \\ (\$523.12) \end{matrix}$ to be credited to each of the following claims, viz: Iron Blossom and Great View Lodes of this survey, and the X Ray, East End and Side Issue Lodes, claimant herein

From the portal of each one of these improvements the surface of the claims rises rapidly to the South-east and east and by the continuation of any one of these tunnels it would be a practicable and feasible means to intersect and extract the ore bodies lying beneath the surface of the above mentioned claims.

Therefore an undivided 1/5 interest in improvements Nos. 2-3-4-5- is properly accredited to the Iron Blossom and Great View Lodes of this survey, and the X Ray, East End and Side Issue lodes unsurveyed, claimants herein.

Value of 1/5 interest in improvements Nos. 2-3-4-5 credited to this claim, $\begin{matrix} 418.50 \\ \$523.12 \end{matrix}$

Value 1/7 interest in Main working tunnel credited to this claim, 642.85

Value 1/8 interest in improvement No.2 Gossin Lode credited to this claim \$650.00

GREAT VIEW LODE.

No.1.

The discovery ~~of the Great View Lode~~ showing mineral ^{an open cut} in place, on lode line 21.0 ft. distant from the

MINERAL SURVEY NO. 3606.

N.W. end center running S 47°40'E, 12' in cut 4' wide;
10' face.

Value,	\$50.00
Value 1/8 interest improvement No. 2 Gossin lode credited to this claim,	\$650.00
Value 1/7 interest Main working tunnel credited to this claim,	642.85
Value 1/5 interest improvement Nos. 2-3-4-5 Iron Blossom Lode credited to this claim.	418.50 \$523.12

MAIN WORKING TUNNEL.

A 6' x7' tunnel the mouth of which bears from cor.

No.3 Ray Heights Lode N /19° 04' W. 712.5 ft running
N. 89° 34' E. 750 ft. to East side line Eureka Lode unsur.
1200^{ft} to breast.

Value of 450 ft. \$4500.00

Note:- A 1/7 interest in this tunnel to be credited
to each of the following lodes, viz: Gila Monster,
Gossin, Porphyry Dyke, Iron Blossom, Ray Heights,
and Great View^{lodes,} of this survey, claimant-herein Argument,
Lode^{unsur.} claimant herein,

From the portal of this tunnel the ground rises
rapidly to the east, southeast and south. By the
continuation of this tunnel with cross cuts and drifts
a greater depth can be obtained than from any point on
the above mentioned claims, the ore bodies lying be-
neath the surface can be intersected and ore extracted.
This tunnel begins on property that is owned by
Sherlock & Schilling, and was under option to The
Ray Broken Hill Mining Co., at the time this tunnel
was driven and was to be used to prospect and develop
their property also. This option has now expired and
that part of the tunnel is now claimed by the original
owners. For this reason I give 750 feet of this
tunnel to the Eureka and Genevieve Lodes. Therefore
an undivided 1/7 interest^{in the remaining 450 ft.} is properly accredited to the
above mentioned lodes.

Mineral Survey No. 3606.

Note:- No credit is given the Porphyry Dyke of this survey excepting from the Main working tunnel, as this was a location made after the original group was amended, located and all other improvements made.

ADJOINING LODES.

This survey is bounded on the north by the Aztec, Bed Rock, lodes, unsur. M. G. Schilling and J. Sherlock, claimant, the Eureka lode, unsur. the Ray Broken Hill Mining Co. & Sherlock & Schilling, claimants, and the Argument Lode unsur. claimant herein; on the east, by the Huntoon and X Ray Lodes, unsur., claimant herein; on the South by the Susie D., East End, and Walnut Lodes, unsur. claimant herein, on the West by the Maple and Golden Ray, Lodes, unsur. claimant herein, all unsurveyed.

REPORT.

U.S.L.M. No. 1 is a pile of stones 5 ft. in diameter, 2 ft. high, post has been removed, hole is plainly distinguished.

All section and 1/4 cors. reported are pipes, with copper caps properly set and stamped.

Cor. 4. Bonanza Lode Sur. 2570 A., is a 4" x 4" post properly set and scribed.

The cors. of the Eureka, Bed Rock and Aztec Lodes are mounds of stones.

End Center monuments are mounds of stones.

The survey of the lodes is within the boundaries as staked on the ground.

The difference between these field notes and the location certificates is due to errors in the latter.

INSTRUMENT.

This survey was made with a Gurley Light Mountain Transit. The courses were deflected from the true meridian as determined by Polaris observations. The distances were measured with steel tapes.

H. M. Whitaker
U.S. Mineral Surveyor.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by H. M. Whitaker
 United States Mineral Surveyor, to assist in running, measuring, and marking the lines, corners, and
 boundaries described in the foregoing field notes of the survey of the mining claim of The Ray
Broken Hill Mining Company
 known as the Gila Monster, Gossin, Porphyry Dyke, Iron Blossom, Great View,
Ray Heights lodes
 and showing the respective capacities in which they acted.

Alfred Zent , *Chainman.*
 , *Chainman.*
 , *Asman.*
 , *Flagman.*

FINAL OATHS OF ASSISTANTS.

~~I~~^I Alfred Zent
 and , do solemnly swear that ~~I~~^I assisted H. M. Whitaker
 , United States Mineral Surveyor, in marking the corners and surveying
 the boundaries of the mining claim of The Ray Broken Hill Mining Company
 known as the Gila Monster, Gossin, Porphyry Dyke, Iron Blossom, Great View,
and Ray Heights lodes
 represented in the foregoing field notes as having been surveyed by said mineral surveyor and under his
 direction; and that said survey has been in all respects, to the best of our knowledge and belief, faithfully
 and correctly executed, and the corner and boundary monuments established according to law and the instruc-
 tions furnished by the United States Surveyor-General for Arizona

Alfred Zent , *Chainman.*
 , *Chainman.*
 , *Asman.*
 , *Flagman.*

Subscribed and sworn to by the above-named persons before me this 3rd

day of July , 19 20

*My Commission expires
 Jan 10th - 1924*

J. M. McPherson
Notary Public

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, H. M. Whitaker, U. S. Mineral Surveyor,
do solemnly swear that, in pursuance of instructions received from the United States
Surveyor General for Arizona, dated
July 15th 1919, I have, in strict conformity to the laws of the
United States, the official regulations and instructions thereunder, and the instructions
of said Surveyor General, faithfully and correctly executed the survey of the Mining
Claim of The Ray Broken Hill Mining Company
....., known as the
Gila Monster, Gossin, Porphyry Dyke, Iron Blossom, Great View and
Ray Heights Lodes
situate in Mineral Creek Mining District,
Pinal County, Arizona, in Section
13 & 16, Township No. 3 S, Range No. 13 E. ~~respectively~~ G & S R B & M.
18 & 19, ~~Unapp'd.~~
and designated as Survey No. 3606, as represented
in the foregoing field notes, which accurately show the boundaries of said mining claim
as distinctly marked by monuments on the ground, and described in the attached copy
of the location certificate, which was received by me from the Surveyor General with
said instructions, and that all the corners of said survey have been established and per-
petuated in strict accordance with the law, official regulations and instructions there-
under; and I do further solemnly swear that the foregoing are the true and original
field notes of said survey and my report therein, and that the labor expended and
improvements made upon said mining claim by claimant or its grantors
are as therein fully stated, and that the character, extent, location, and itemized value
thereof are specified therein with particularity and full detail, and that no portion of
said labor or improvements so credited to this claim has been included in the estimate
of expenditures upon any other claim.

H. M. Whitaker
U. S. Mineral Surveyor.

Subscribed and sworn to by the said H. M. Whitaker
U. S. Mineral Surveyor, before me
..... this 3rd
day of July, 19 20

My Commission expires
Jan 10th 1924

J. M. Mac Pherson
Notary Public

U. S. SURVEYOR-GENERAL'S FINAL CERTIFICATE ON FIELD NOTES.

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona.

April 4, 1921.

I, U. S. Surveyor-General for DISTRICT OF ARIZONA

do hereby certify that the foregoing transcript of the Field Notes, return and approval of the survey of the mining claim of THE RAY BROKEN HILL MINING COMPANY, known as the COSSIN, RAY HEIGHTS, IRON BLOSSOM, GREAT VIEW, GILA MONSTER, and PORPHYRY DYKE Lodes,

situate in MINERAL CREEK

Mining District, PINAL County, ARIZONA

in Sections 15-24 & 18-19, Township No. 3 S., Range No. 15-14 E. respectively unappd. and

designated as Survey No. 3606, has been correctly copied from the originals on file in this office; that said Field Notes furnish such an accurate description of said mining claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the locus thereof.

And I further certify that five hundred dollars' worth of labor has been expended or improved for each of or for each of improvements made upon said mining claims by claimant or its grantors, and that said improvements consist of 10 cuts, 9 tunnels and 1 shaft, total value \$15,178. of which \$4530.47 is reserved for the X Ray, Side Issue, East End and Argument lodes, unsurveyed.

and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

I further certify that the plat thereof, filed in the U. S. Land Office at Phoenix Arizona is correct and in conformity with the foregoing Field Notes.

Frank P. Pratt

United States Surveyor-General for Arizona.

4-687

SURVEYOR GENERAL'S CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF MINING CLAIM

DEPARTMENT OF THE INTERIOR OFFICE OF U. S. SURVEYOR GENERAL

Phoenix, Arizona,

April 4, 1921

I, U. S. Surveyor General for DISTRICT OF ARIZONA,

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the

Mining Claim of THE RAY BROKEN HILL MINING COMPANY,

known as the

GOSSIM, RAY HEIGHTS, IRON BLOSSOM, GREAT VIEW, GILA MONSTER, and PORPHYRY DYKE lodes,

situate in MINERAL CREEK mining district,

PINAL County, ARIZONA

in Sections 13-24, & 18-19, Township No. 3 S., Range No. 13 & 14 E., respectively, unapproved, designated as Survey No. 3606

executed by H. M. Whitaker, U. S. Mineral Surveyor, August 1, 1919 - June 5, 1920, under my instructions dated

July 13, 1919, have been critically examined and the necessary corrections and explanations made, and the said Field Notes and Return, and the Survey they describe,

are hereby approved. The certified copy of the location certificate filed by the applicant for survey is on file in this office and a true copy of said certified copy of said location certificate is included and made a part of the transcript of the field notes.

[Handwritten signature]

U. S. Surveyor General for Arizona.

February 12, 1992

To: Tom Reitmeyer

From: Dean Mac Donald

Subject: Verification of Recording of Mining Claim

The following list of Mineral Surveys are within or adjacent to the area of the proposed ASARCO land exchange. Please verify whether or not they have been recorded as required in FLPMA or that the annual assessment work has or has not been kept up, to determine if they can be canceled.

<u>SURVEY #</u>	<u>NAME</u>	<u>TOWNSHIP & RANGE</u>
MS 492	Young America	T.12 S., R.8 E.
MS 493	Young America Extension West	"
MS 494	Navajo	"
MS 495	Aztec	"
MS 1927	Emerald, Silver Bell, Black Daisy	"
MS 1929	John F., Billy, Black Eagle, Wedge.	"
MS 1939	Leslie	Tps.11 & 12 S., R.8 E.
MS 3606	Iron Blossom, Great View	Tps. 3 S., Rs.13 & 14 E.

Dean Mac Donald

Response 2-13-1992

The mining claim microfiche do not indicate that any of the above-listed mining claims have been filed with the Bureau under Sec. 314 of FLPMA.

Thomas E. Reitmeyer

February 18, 1992

To: Tom Reitmeyer

From: Dean Mac Donald

Subject: Verification of Recording of Mining Claim

Mineral Survey 3734, Red Oxide #4 and Mineral Survey 4295, Staple Lodes do not appear to be active under these survey numbers. They appear to have been relocated under the same names and were active as of the 1991 assessment. These lodes lie within the boundary of the ASARCO exchange in T.17 S., R.12 E. sections 2 and 11. Please verify whether these lodes were or were not recorded as required in FLPMA or that the annual assessment work has or has not been kept up, so that they can be canceled.

Dean Mac Donald

The STAPLE and RED OXIDE NO. 4, were recorded with the Bureau of Land Management (BLM) under Section 314 of FLPMA on April 20, 1977. They are recorded under serial no's A MC 5917 and A MC 5918. The location notices filed with BLM are dated January 26, 1977, as recorded in Pima County April 12, 1977 in Book 5502 Pages 829 and 830. The locator was ANAMAX Mining Company. They are both marked relocations on the notices.

This is the only record of claims recorded with BLM by these names in sections 2 and 11, of T. 17 s., R. 12 E. If Mineral Surveys 3734 and 4295 are not subsequent to January 26, 1977, we would have no problem with your cancelation of these surveys.

Thomas E. Reitmeyer
2/18/1992

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
ARIZONA STATE OFFICE

9605 (942)
M.S. 3606

NOTICE OF CANCELLATION OF MINERAL SURVEY

The Iron Blossom and Great View lodes, Mineral Survey No. 3606, located in sections 13, 24 and 18, 19, Townships 3 South, Ranges 13 and 14 East, 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 facilitate a proposed land exchange with ASARCO Incorporated and to clear the record.

The Mineral Survey Plat should be noted as follows:

"Iron Blossom and Great View lodes, M.S. 3606 were canceled February 20, 1992, by memo 9605 (942) M.S. 3606, which is now a part of the original field notes."

February 20, 1992
Date



Chief Cadastral Surveyor of Arizona