

4-683

MINERAL SURVEY No. 4211

Arizona

Land District

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF
Arizona Manganese Corporation

known as the

~~MAGGIE NO. 6, MAGGIE NO. 7, MAGGIE NO. 7-A, MAGGIE NO. 8,~~
~~MAGGIE NO. 9, MAGGIE NO. 12, MAGGIE NO. 13, MAGGIE NO. 14,~~
~~MAGGIE NO. 16, MAGGIE NO. 15, MAGGIE NO. 17, MAGGIE NO. 22,~~
~~MAGGIE NO. 23, MAGGIE NO. 24, MAGGIE NO. 25, MAGGIE NO. 26,~~
~~MAGGIE NO. 27, MAGGIE NO. 31, MESA NO. 1, MESA NO. 2,~~

KNOWN AS THE

MESA NO. 3, MESA NO. 4, MESA NO. 5, MUROC, MUROC NO. 1,
MUROC NO. 2, MUROC NO. 3, MUROC NO. 4, RUDY and RUDY NO. 1
lodes

Owens

Mining District,

Mohave

County, Arizona

Section s. 29, 30, 31, Township 12 N., Range 13 W.
G & S R B & M

Surveyed under instructions dated February 12, 1938

By Ralph L. Motz

U.S. Mineral Surveyor.

Claim located See location notices, 19

Survey commenced February 14, 1938

Survey completed March 1, 1938

Address of claimant's attorney, Cleon T. Knapp,
Valley National Building,
Tucson, Arizona.

DATES OF AMENDED LOCATIONS

Feet

Mineral Survey No. 4211 was made with a Gurley & Sons Precise Transit, Light Mountain model, with horizontal limb 6.25 inches in diameter, having two double opposite verniers, and full vertical circle 5 inches in diameter, having one double vernier; the verniers read to one minute of arc; the eye piece is equipped with a prismatic eye piece with colored glass slide for making direct observations upon the sun. The instrument was in good condition at the time of survey and all adjustments were in good order. An a. m. altitude observation of the sun for azimuth, and at noon on the meridian for latitude, were made at Cor. No. 1 of the Maggie No. 12 lode, the details of which observations are shown in the calculation sheets submitted herewith for examination. All azimuths in this record are referred to the true meridian thus determined, by the method of deflection angles and calculated courses. My watch was compared with Standard Western Union time before and after the observations and found to be correct.

The lines were measured with a Keuffel & Esser steel tape, 100 feet in length, graduated to feet, tenths and hundredths of feet for the entire length; a Keuffel & Esser steel tape, 300 feet in length, graduated to feet, tenths and hundredths of feet for the entire length; a Lufkin steel tape, 25 feet in length, graduated to feet, inches and fractions of inches for the entire length. All tapes were compared with a Lufkin standard tape at the time of beginning the survey, and found correct.

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

The magnetic variation observed at each corner of the survey gave a uniform value of 15° 20' E.

MAGGIE NO. 12

Beginning at Cor. No. 1 of the Maggie No. 12 lode

Identical with Cor. No. 1 of the Maggie No. 14 lode and Cor. No. 1 of the Maggie No. 15 lode, both of this survey, and with the Cor. of Secs. 29, 30, 31 and 32, T 12 N, R 13 W, G & S R B & M

Being an iron pipe 2 inches in diameter, firmly set in the ground in a mound of rocks, with brass cap 2 1/2 inches in diameter, mkd. T 12 N, R 13 W, S 29, S 30, S 31, S 32; from which

A sandstone rock, 4x9x28 inches long, set 16 inches in the ground for witness corner; mkd. WC x M12-1-4211; M14-1-4211; M15-1-4211 bears S 89° 59' W 10.0 ft.

A monument of rocks 3 ft. base, 3 ft. high, bears southerly 2 ft. from the witness corner

thence S 0° 03' E, from the true corner point,

490.0 Cross road, 10 feet wide, course easterly

1500.0 Cor. No. 2

Identical with Cor. No. 4 of the Mesa lode of this survey

Set an iron pipe, 2 1/2 inches in diameter, 4 feet long, 12 inches in the ground to bedrock, in a mound of rocks for Cor. No. 2, an iron cap on top, mkd M12-2-4211; M-4-4211; from which

A mound of rocks, 3 ft. base, 4 feet high, bears N 30° E 6.8 ft.

feet

thence S 89° 59' W

300.0 South end center, identical with the north end center of the Mesa lode of this survey, agreeing with the south end center of the location, being a mound of rocks, 3ft. base, 4 feet high

450.0 Cross gulch, 10 ft. wide, course southerly

600.0 Cor. No. 3

Identical with Cor. No. 3 of the Mesa lode, Cor. No. 4 of the Mesa No. 1 lode, Cor. No. 2 of the Maggie No. 16 lode, all of this survey,

Set an iron pipe, 2 1/2 inches in diameter, 4 feet long, 18 inches in the ground, in a mound of rocks, for Cor. No. 3, an iron cap on top, mkd. M12-3-4211; M-3-4211; M1-4-4211; M16-2-4211; from which

A mound of rocks, 3 ft. base, 3 ft. high, bears N 45° W 6.6 ft.

thence N 0° 03' W

990.0 Cross road, 10 ft. wide, course easterly

1500.0 Cor. No. 4

Identical with Cor. No. 1 of the Maggie No. 16 lode, Cor. No. 1 of the Maggie No. 13 lode; Cor. No. 2 of the Maggie No. 14 lode, all of this survey.

Set an iron pipe, 2 1/2 inches in diameter, 4 feet long, 18 inches in the ground in a mound of stones, for Cor. No. 4, an iron cap on top, mkd. M12-4-4211; M16-1-4211; M13-1-4211; M14-2-4211; from which

A mound of rocks, 3 ft. base, 3 ft. high, bears northwesterly 3 ft.

thence N 89° 59' E

300.0 North end center, identical with the south end center of the Maggie No. 14 lode of this survey, agreeing with the north end center of the location, being a mound of rocks, 3 ft. base, 4 ft. high

590.00 Witness Cor. to Cor. No. 1.

600.0 Cor. No. 1 and place of the beginning.

MAGGIE NO. 16

Beginning at Cor. No. 1 of the Maggie No. 16 lode, which is identical with Cor. No. 4 of the Maggie No. 12 lode of this survey, from which

The Cor. of Secs. 29, 30, 31 and 32, T 12 N, R 13 W, G & S R B & M, previously described bears N 89° 59' E 600.0 ft. dist.

thence S 0° 03' E

510.0 Cross road, 10 feet wide, course easterly

1500.0 Cor. No. 2

Identical with Cor. No. 3 of the Maggie No. 12 lode of this survey

thence S 89° 59' W

feet

195.0 Cross road, 10' feet wide, course, northwesterly

300.0 South end center, identical with north end center of the Mesa No. 1 lode of this survey, agreeing with the south end center of the location, being a mound of rocks, 3 ft. base, 4 feet high

600.0 Cor. No. 3

Identical with Cor. No. 3 of the Mesa No. 1 lode, Cor. No. 4 of the Mesa No. 2 lode and Cor. No. 3 of the Maggie No. 9 lode, all of this survey

Set an iron pipe, 2 1/2 inches in diameter, 4 feet long, 18 inches in the ground in a mound of rocks, for Cor. No. 3, an iron cap on top, mkd. M16-3-4211; M1-3-4211; M2-4-4211; M9-3-4211; from which

A mound of rocks 3 ft. base, 3 ft. high bears easterly 4. ft.

thence N 0° 03' W

895.0 Cross Road, 10' feet wide, course, northeasterly

1500.0 Cor. No. 4 Identical with Cor. No. 2 of the Maggie No. 9 lode, Cor. No. 4 of the Maggie No. 31 lode, Cor. No. 2 of the Maggie No. 13 lode, all of this survey, where I

Set an iron pipe, 2 1/2 inches in diameter, 4 feet long, 18 inches in the ground in a mound of rocks, an iron cap on top, mkd. M16-4-4211; M9-2-4211; M31-4-4211; M13-2-4211; from which

A mound of rocks, 3 ft. base, 4 feet high, bears northeasterly 10 feet

thence N 89° 59' E

300.0 North end center, identical with south end center, Maggie No. 13 lode of this survey and agreeing with the north end center of the location, being a mound of rocks 3 ft. base, 3 ft. high

320.0 Cross road, 10 feet wide, course southerly

600.0 Cor. No. 1 and place of beginning.

MAGGIE NO. 9

Beginning at Cor. No. 1 of the Maggie No. 9 lode

Identical with Cor. No. 2 of the Maggie No. 7 lode, Cor. No. 4 of the Maggie No. 7-A lode and Cor. No. 1 of the Maggie No. 31 lode, all of this survey

Set

An iron pipe 2 1/2 inches in diameter, 4 feet long, 18 inches in the ground in a mound of rocks, for Cor. No. 1, an iron cap on top mkd. M9-1-4211; M7-2-4211; M7A-4-4211; M31-1-4211; from which

a mound of rocks 3 ft. base, 3 ft. high bears easterly 4 feet

Sec.

The 1/4 Cor. between Secs. 30 and 31, T 12 N, R 13 W, G & S R Ex M being an iron post, 1 in. diam., 18 inches above ground, firmly set in ground and mound

feet		feet
	of stone, marked and witnessed as described in the official record, bears S 89° 59' W 841.7 ft.	
	thence N 89° 59' E	
300.0	North end center, agreeing with north end center of the location and identical with south end center of the Maggie No. 31 lode of this survey, being a mound of rocks, 3 ft. base, 4 feet high	
600.0	Cor. No. 2 Identical with Cor. No. 4 of the Maggie No. 16 lode of this survey	
	thence S 0° 03' E	
605.0	Cross road, 10 feet wide, course northeasterly	
1500.0	Cor. No. 3 Identical with Cor. No. 3 of the Maggie No. 16 lode of this survey	
	thence S 89° 59' W	
300.0	South end center, agreeing with the south end center of the location and identical with the north end center of the Mesa No. 2 lode of this survey, being a mound of rocks, 3 ft. base, 4 ft. high	
350.0	Cross Gulch, 10 ft. wide, course southerly	
600.0	Cor. No. 4 Identical with Cor. No. 3 of the Mesa No. 2 lode, Cor. No. 2 of the Mesa No. 3 lode and Cor. No. 3 of the Maggie No. 7 lode, all of this survey; where I	
	Set an iron pipe, 2 1/2 inches in diameter, 4 feet long, 18 inches in the ground in a mound of rocks, for Cor. No. 4, mkd. M9-4-4211; M3-3-4211; M3-2-4211; M7-3-4211; from which	
	A mound of rocks, 3 ft. high, 3 ft. base, bears easterly 5 ft. thence N 0° 03' W	
640.0	Cross road, 10 feet wide, course northeasterly	
1500.0	Cor. No. 1 and place of beginning.	

MAGGIE NO. 7

	Beginning at Cor. No. 1 of the Maggie No. 7 lode	
	Identical with Cor. No. 1 of the Maggie No. 8 lode, Cor. No. 1 of the Maggie No. 6 lode and Cor. No. 1 of the Maggie No. 2A lode, all of this survey, where I	
	Set an iron pipe, 2 1/2 inches in diameter, 4 feet long, 18 inches in the ground in a mound of rocks for Cor. No. 1, an iron cap on top mkd. M7-1-4211; M6-1-4211; M7A-1-4211; M8-1-4211; from which	
	a mound of rocks, 3 ft. base, 4 ft. high bears easterly 4.0 ft.	

Sec.

The 1/4 Cor. between Secs. 30 and 31, T 12 N, R 13 W, G & S R B & M, previously described bears S 89° 59'

feet	
	W. 241.7 ft. dist.
	thence N 89° 59' E
300.0	North end center, identical with south end center of the Maggie No. 7-A lode of this survey and agreeing with the north end center of the location, being a mound of rocks, 3 ft. base, 4 feet high
600.0	Cor. No. 2 Identical with Cor. No. 1 of the Maggie No. 9 lode of this survey thence S 0° 03' E
860.0	Cross road, 10 feet wide, course northeasterly
1500.0	Cor. No. 3 Identical with Cor. No. 4 of the Maggie No. 9 lode of this survey thence S 89° 59' W
300.0	South end center, agreeing with the south end center of the location and identical with the north end center of the Mesa No. 3 lode of this survey, being a mound of rocks, 3 ft. base, 3 ft. high
600.0	Cor. No. 4 Identical with Cor. No. 1 of the Mesa No. 3 lode, Cor. No. 1 of the Mesa No. 4 lode and Cor. No. 2 of the Maggie No. 8 lode, all of this survey; where I Set an iron pipe, 2 1/2 inches in diameter, 4 feet long, 18 inches in the ground, for Cor. No. 4, iron cap on top, mkd. M7-4-4211; M3-1-4211; M4-1-4211; M8-2-4211; from which A mound of rocks, 3 ft. base, 4 ft. high, bears easterly 5 ft. thence N 0° 03' W
1500.0	Cor. No. 1 and place of beginning.
	MAGGIE NO. 8
	Beginning at Cor. No. 1 of the Maggie No. 8 lode Identical with Cor. No. 1 of the Maggie No. 7 lode of this survey thence S 0° 03' E
1500.0	Cor. No. 2 Identical with Cor. No. 4 of the Maggie No. 7 lode of this survey thence S 89° 59' W
300.0	South end center, agreeing with the south end center of the location, identical with the north end center of the Mesa No. 4 lode of this survey, being a mound of rocks 3 ft. base, 4 ft. high

feet

600.0

Cor. No. 3

Identical with Cor. No. 4 of the Mesa No. 4 lode, Cor. No. 1 of the Mesa No. 5 lode and Cor. No. 2 of the Maggie No. 26 lode, all of this survey; where I

Set an iron pipe, 2 1/2 inches in diameter, 4 feet long, 18 inches in the ground in a mound of rocks, for Cor. No. 3, an iron cap on top mkd. M8-3-4211; M4-4-4211; M5-1-4211; M26-2-4211; from which

A mound of rocks, 3 ft. base, 3 ft. high, bears northeasterly 4 ft.

thence N 0° 03' W

940.0

Cross gulch, 25 feet wide, course southwesterly

1500.0

Cor. No. 4

Identical with Cor. No. 1 of the Maggie No. 26 lode and Cor. No. 2 of the Maggie No. 6 lode, both of this survey; where I

Set an iron pipe, 2 1/2 inches in diameter, 4 feet long, 18 inches in the ground in a mound of rocks for Cor. No. 4, an iron cap on top mkd. M8-4-4211; M26-1-4211; M6-2-4211; from which

A mound of rocks, 3 ft. base, 4 feet high, bears westerly 3 ft.

thence N 89° 59' E

300.0

North end center, agreeing with the north end center of the location, identical with the south end center of the Maggie No. 6 lode of this survey, being a mound of rocks 3-ft. base, 3 ft. high

Sec.

358.3 The 1/4 Cor. between Secs. 30 and 31, T 12 N, R 13 W,

495.0

Cross gulch, 25 feet wide, course southwesterly

600.0

Cor. No. 1 and place of beginning.

MAGGIE NO. 26

Beginning at Cor. No. 1 of the Maggie No. 26 lode

Identical with Cor. No. 4 of the Maggie No. 8 lode of this survey, from which

Sec.

The 1/4 Cor. between Secs. 30 and 31, T 12 N, R 13 W, G & S R ~~XXX~~ M, previously described, bears N 89° 59' E 358.3 ft. dist.

thence S 0° 03' E

560.0

Cross gulch, 25 feet wide, course southwesterly

1500.0

Cor. No. 2

Identical with Cor. No. 3 of the Maggie No. 8 lode of this survey

thence S 89° 59' W

300.0

South end center, agreeing with the south end center of

feet	
	<p>the location, identical with the north end center of the Mesa No. 5 lode of this survey, being a mound of rocks, 3 ft. base, 3 ft. high</p>
600.0	<p>Cor. No. 3 Identical with Cor. No. 4 of the Mesa No. 5 lode and Cor. No. 2 of the Maggie No. 27 lode, both of this survey, where I</p>
	<p>Set an iron pipe, 2 1/2 inches in diameter, 4 feet long, 18 inches in the ground, for Cor. No. 3, an iron cap on top, mkd. M26-3-4211; M5-4-4211; M27-2-4211; from which</p>
	<p>A mound of rocks, 3 ft. base, 4 ft. high, bears northeasterly 4 ft. thence N 0° 03' W</p>
460.0	<p>Cross gulch, 25 feet wide, course southwesterly</p>
1500.0	<p>Cor. No. 4 Identical with Cor. No. 1 of the Maggie No. 27 lode of this survey, where I</p>
	<p>Set a basalt rock, 8x9x25 inches, 16 inches in the ground, for Cor. No. 4, mkd. M26-4-4211; M27-1-4211; from which</p>
	<p>A mound of rocks, 3 ft. base, 3 ft. high, bears southerly 4 ft. thence N 89° 59' E</p>
300.0	<p>North end center, being a mound of rocks, 3 ft. base, 4 feet high, agreeing with the north end center of the location</p>
600.0	<p>Cor. No. 1 and place of beginning. MAGGIE NO. 27</p>
	<p>Beginning at Cor. No. 1 of the Maggie No. 27 lode Identical with Cor. No. 4 of the Maggie No. 26 lode of this survey; from which The 1/4 Cor. between Secs. 30 and 31, T 12 N, R 13 W, G & S R Ext M, previously described, bears N 89° 59' E 958.3 ft. dist.</p>
1040.0	<p>thence S 0° 03' E Cross gulch, 25 feet wide, course southwesterly.</p>
1500.0	<p>Cor. No. 2 Identical with Cor. No. 3 of the Maggie No. 26 lode of this survey</p>
260.0	<p>thence S 89° 59' W Cross gulch, 25 feet wide, course southerly</p>
300.0	<p>South end center, being a mound of rocks, 3 ft. base, 3 ft. high, agreeing with the south end center of the location</p>

feet

600.0 Cor. No. 3
 A basalt rock in place, 30x36 inches, 6 inches above the ground, mkd. M27-3-4211; from which
 A mound of rocks, 3 ft. base, 3 ft. high, bears west-
 erly 3 ft.
 thence N 0° 03' W

1500.0 Cor. No. 4
 Set a basalt rock, 9x10x28 inches, 16 inches in the ground for Cor. No. 4, mkd. M27-4-4211; from which
 A mound of rocks, .3 ft. base, 4 feet high, bears southerly 4.5 ft.

The ~~1/4~~ Cor. of Secs. 30 and 31, T 12 N, R 13 W and Secs. 25 and 36, T 12 N, R 14 W, G & S R B & M, being an iron post 3 inches in diameter, with brass cap, 18 inches above the ground, firmly set in ground and mound of rocks, marked and witnessed as described in the official record, bears S 89° 59' W 993.2 ft. dist.
 thence N 89° 59' E

300.0 North end center, being a mound of rocks, 3 ft. base, 3 ft. high, agreeing with the north end center of the location

600.0 Cor. No. 1 and place of beginning.

MESA

Beginning at Cor. No. 1 of the Mesa lode
 A basalt rock, 4x6x24 inches, set 16 inches in the ground, for Cor. No. 1, mkd. M-1-4211; from which
 A mound of rocks, 3 ft. base, 3 feet high, bears northerly 3 ft.

The 1/4 Sec. Cor. between Secs. 31 and 32, T 12 N, R 13 W, G & S R ~~B~~ M, bears N 0° 03' W 358.8 ft. dist, being an iron post, 1 inch diameter, 18 inches above ground, firmly set in ground and mound of stone, marked and witnessed as described in the official record.
 thence S 89° 59' W 358.8 ft.

300.0 south end center, being a mound of rocks, 3 ft. base, 4 feet high, agreeing with the south end center of the location

600.0 Cor. No. 2

Identical with Cor. No. 1 of the Mesa No. 1 lode of this survey; where I

Set a basalt rock, 7x7x27 inches, 17 inches in the ground for Cor. No. 2, mkd. M-2-4211; M1-1-4211; from which

A mound of rocks, 3 ft. base, 4 feet high, bears southerly 6.5 ft.

feet

1500.0 Cor. No. 3
 thence N 0° 03' W
 Identical with Cor. No. 3 of the Maggie No. 12 lode of this survey

150.0 Cross gulch, 10 feet wide, course southerly
 300.0 north end center, identical with the south end center of the Maggie No. 12 lode of this survey and agreeing with the north end center of the location

600.0 Cor. No. 4
 Identical with Cor. No. 2 of the Maggie No. 12 lode of this survey

1095.0 Cross gulch 15 feet wide, course southeasterly
 1141.2 Sec.
 The 1/4 Cor. between Secs. 31 and 32, T 12 N, R 13 W, G & S R ~~Box~~ M

1500.0 Cor. No. 1 and place of beginning.
 MESA NO. 1
 Beginning at Cor. No. 1 of the Mesa No. 1 lode
 Identical with Cor. No. 2 of the Mesa lode of this survey; from which
 Sec.
 The 1/4 Cor. between Secs. 31 and 32, T 12 N, R 13 W, G & S R ~~Box~~ M; previously described, bears N 59° 06' E 698.9 ft. dist.

300.0 South end center, being a mound of rocks, 3 ft. base, 3 ft. high, agreeing with the south end center of the location

600.0 Cor. No. 2
 Identical with Cor. No. 1 of the Mesa No. 2 lode of this survey, where I
 Set a basalt rock, 7x9x26 inches, 16 inches in the ground for Cor. No. 2, mkd. M1-2-4211; M2-1-4211; from which
 A mound of rocks, 3 ft. base, 4 feet high, bears southerly 7.5 ft.

1500.0 Cor. No. 3
 thence N 0° 03' W
 Identical with Cor. No. 3 of the Maggie No. 16 lode of this survey

300.0 North end center, identical with the south end center of the Maggie No. 16 lode of this survey and agreeing with the north end center of the location

feet		feet
405.0	Cross road, 10 feet wide, course northwesterly	
600.0	Cor. No. 4	
	Identical with Cor. No. 3 of the Maggie No. 12 lode of this survey	
	thence S 0° 03' E	
1500.0	Cor. No. 1 and place of beginning.	
	MESA NO. 2	
	Beginning at Cor. No. 1 of the Mesa No. 2 lode	
	Identical with Cor. No. 2 of the Mesa No. 1 lode of this survey; from which	
	Sec.	
	The 1/4 Cor. between Secs. 31 and 32, T 12 N, R 13 W, G & S R Box M, previously described, bears	
	N 73° 20' E 1252.3 ft. dist.	
	thence S 89° 59' W	
260.0	Cross gulch, 15 feet wide, course southerly	
300.0	South end center, being a mound of rocks, 3 ft. base, 3 ft. high, agreeing with the south end center of the location	
600.0	Cor. No. 2	
	Identical with Cor. No. 3 of the Mesa No. 3 lode of this survey; where I	
	Set a basalt rock, 4x9x26 inches, 16 inches in the ground for Cor. No. 2, mkd. M2-2-4211; M3-3-4211; from which	
	A mound of rocks, 3 ft. base, 4 feet high, bears northerly 2 ft.	
	thence N 0° 03' W	
1500.0	Cor. No. 3	
	Identical with Cor. No. 4 of the Maggie No. 9 lode of this survey	
	thence N 89° 59' E	
250.0	Cross gulch, 10 feet wide, course southerly	
300.0	North end center, identical with the south end center of the Maggie No. 9 lode of this survey and agreeing with the north end center of the location	
600.0	Cor. No. 4	
	Identical with Cor. No. 3 of the Maggie No. 16 lode of this survey	
	thence S 0° 03' E	
1500.0	Cor. No. 1 and place of the beginning.	

feet

MESA NO. 3

Beginning at Cor. No. 1 of the Mesa No. 3 lode

Identical with Cor. No. 4 of the Maggie No. 7 lode of this survey, from which

Sec.

The 1/4 Cor. between Secs. 30 and 31, T 12 N, R 13 W, G & S R ~~Ex~~ M, previously described, bears N 9° 12' W 1519.4 ft.

thence N 89° 59' E

300.0 North end center, identical with south end center of the Maggie No. 7 lode of this survey and agreeing with the north end center of the location

600.0 Cor. No. 2

Identical with Cor. No. 4 of the Maggie No. 9 lode of this survey

thence S 0° 03' E

1500.0 Cor. No. 3

Identical with Cor. No. 2 of the Mesa No. 2 lode of this survey

thence S 89° 59' W

300.0 south end center, being a mound of rocks, 3 ft. base, 4 ft. high, agreeing with the south end center of the location

600.0 Cor. No. 4

Identical with Cor. No. 2 of the Mesa No. 4 lode of this survey; where I

Set a basalt rock, 7x13x28 inches, 18 inches in the ground for Cor. No. 4, mkd. M3-4-4211; M4-2-4211; from which

A mound of rocks, 3 ft. base, 3 ft. high, bears northerly 2 ft

thence N 0° 03' W

1500.0 Cor. No. 1 and place of beginning.

MESA NO. 4

Beginning at Cor. No. 1 of the Mesa No. 4 lode

Identical with Cor. No. 4 of the Maggie No. 7 lode of this survey; from which

Sec.

The 1/4 Cor. between Secs. 30 and 31, T 12 N, R 13 W, G & S R ~~Ex~~ M, previously described, bears N 9° 12' W 1512.4 ft. dist.

thence S 0° 03' E

1500.0 Cor. No. 2

Identical with Cor. No. 4 of the Mesa No. 3 lode of this survey

feet

thence S 89° 59' W

300.0 South end center, being a mound of rocks 3 ft. base, 3 ft. high, agreeing with the south end center of the location

600.0 Cor. No. 3

Identical with Cor. No. 4 of the Rudy lode and Cor. No. 2 of the Mesa No. 5 lode, both of this survey; where I

Set a basalt rock, 7x13x36 inches, 16 inches in the ground for Cor. No. 3, mkd. M4-3-4211; R-4-4211; M5-2-4211; from which

A mound of rocks, 3 ft. base, 4 ft. high, bears northwesterly 2.5 ft.

thence N 0° 03' W

400.0 Cross gulch, 5 feet wide, course southwesterly

1500.0 Cor. No. 4

Identical with Cor. No. 3 of the Maggie No. 8 lode of this survey

thence N 89° 59' E

300.0 North end center, identical with the south end center of the Maggie No. 8 lode of this survey and agreeing with the north end center of the location

600.0 Cor. No. 1 and place of beginning.

MESA NO. 5

Beginning at Cor. No. 1 of the Mesa No. 5 lode

Identical with Cor. No. 3 of the Maggie No. 8 lode of this survey; from which

Sec.

The 1/4 Cor. between Secs. 30 and 31, T 12 N, R 13 W, G & S R ~~Box~~ M, previously described bears N 13° 23' E 1542.0 ft.

thence S 0° 03' E

1100.0 Cross gulch, 5 feet wide, course southwesterly

1500.0 Cor. No. 2

Identical with Cor. No. 3 of the Mesa No. 4 lode of this survey

thence S 89° 59' W

190.0 Cross gulch 10 feet wide, course southwesterly

300.0 South end center, identical with north end center of the Rudy lode of this survey and agreeing with the south end center of the location, being a mound of rocks 3 ft. base, 4 ft. high

600.0 Cor. No. 3

Identical with Cor. No. 3 of the Rudy lode, and Cor. No. 2 of the Rudy No. 1 lode, both of this survey; where I

feet

Set a basalt rock, 5x9x25 inches, 16 inches in the ground for Cor. No. 3, mkd. M5-3-4211; R-3-4211; R1-2-4211; from which

A mound of rocks, 3 ft. base, 4 ft. high, bears northerly 3.5 ft.

thence N 0° 03' W

1500.0 Cor. No. 4

Identical with Cor. No. 3 of the Maggie No. 26 lode of this survey

thence N 89° 59' E

300.0 North end center, identical with the south end center of the Maggie No. 26 lode of this survey and agreeing with the north end center of the location

600.0 Cor. No. 1 and place of beginning.

RUDY

Beginning at Cor. No. 1 of the Rudy lode.

A basalt rock in place, 13x18 inches, 5 inches above the ground for Cor. No. 1, mkd. R-1-4211; from which

A mound of rocks, 3 ft. base, 4 ft. high, bears northerly 4 ft.

Sec.

The south 1/4 Cor. of Sec. 31, T 12 N, R 13 W, G. & S R ~~Box~~ M, bears S 24° 20' E 853.0 ft. dist., being an iron post, 1 in. diameter, 18 inches above ground, firmly set in ground and mound of stone, marked and witnessed as described in the official record.

thence S 89° 59' W

300.0 South end center, being a mound of rocks 3 ft. base, 3 ft. high, agreeing with the south end center of the location.

490.0 Cross gulch, 10 feet wide, course southerly

600.0 Cor. No. 2

Identical with Cor. No. 3 of the Rudy No. 1 lode of this survey, where I

Set a basalt rock, 9x12x24 inches, 16 inches in the ground for Cor. No. 2, mkd. R-2-4211; R1-3-4211; from which

A mound of rocks 3 ft. base, 4 ft. high, bears northerly 3.5 ft.

thence N 0° 03' W

1500.0 Cor. No. 3

Identical with Cor. No. 3 of the Mesa No. 5 lode of this survey

thence N 89° 59' E

300.0 North end center, identical with the south end center of the Mesa No. 5 lode of this survey and agreeing with the north end center of the location.

feet	
410.0	Cross gulch, 10 feet wide, course southwesterly
600.0	Cor. No. 4 Identical with Cor. No. 3 of the Mesa No. 4 lode of this survey thence S 0° 03' E
1500.0	Cor. No. 1 and place of beginning. RUDY NO. 1 Beginning at Cor. No. 1 of the Rudy No. 1 lode An iron pipe, 4 inches in diameter, 4 feet long, set 18 inches in the ground, for Cor. No. 1, copper tag on side mkd. R1-1-4211; from which A mound of rocks 3 ft. base, 3 ft. high bears easterly 3 ft. Sec. The 1/4 Cor. between Sec. 31, T12 N, R 13 W and Sec. 36, T 12 N, R 14 W, G & S R 25 M, being an iron post 1 inch diameter, 18 inches above ground, firmly set in ground in mound of stone, marked and witnessed as described in the official record, bears N 70° 11' W 1058.4 ft. dist. thence N 89° 59' E
300.0	North end center, being a mound of rocks, 3 ft. base, 4 ft. high, agreeing with the north end center of the location
600.0	Cor. No. 2 Identical with Cor. No. 3 of the Mesa No. 5 lode of this survey thence S 0° 03' E
1500.0	Cor. No. 3 Identical with Cor. No. 2 of the Rudy lode of this survey thence S 89° 59' W
175.0	Cross road, 10 feet wide, course southeasterly
300.0	South end center, being a mound of rocks, 3 ft. base, 3 ft. high, agreeing with the south end center of the location
600.0	Cor. No. 4 Set an andesite rock, 5x7x25 inches, 16 inches in the ground for Cor. No. 4, mkd. R1-4-4211; from which A mound of rocks, 3 ft. base, 3 ft. high, bears northerly 4 ft. thence N. 0° 03' W.
1500.0	Cor. No. 1 and place of beginning. MAGGIE NO. 25 Beginning at Cor. No. 1 of the Maggie No. 25 lode A basalt rock, 7x7x24 inches, set 16 inches in the ground

feet	for Cor. No. 1, franklin mkd. M25-1-4211; from which
	A mound of rocks, 3 ft. high with 3 ft. base, bears southwesterly 5 ft.
	Sec. The 1/4 Cor. between Secs. 29 and 32, T 12 N, R 13 W, G. & S R xxxx M, bears S 89° 57' E 840.7 ft. dist; an iron post, 1 inch diameter, 18 inches above ground, firmly set in a mound of rocks, marked and witnessed as described in the official record.
	thence N 89° 57' W
300.0	South end center, being a mound of rocks, 3 ft. base, 4 ft. high, agreeing with the south end center of the location
600.0	Cor. No. 2 Identical with Cor. No. 4 of the Maggie No. 22 lode of this survey, where I set
	Sandstone rock, 5x7x26 inches, 16 inches in the ground for Cor. No. 2, mkd. M25-2-4211; M22-4-4211; from which
	A mound of rocks, 3 ft. base, 3 ft. high, bears southerly 3 ft.
	thence N 0° 03' W
1500.0	Cor. No. 3 Identical with Cor. No. 3 of the Maggie No. 22 lode, Cor. No. 3 of the Maggie No. 23 lode and Cor. No. 4 of the Maggie No. 24 lode, all of this survey; where I
	Set an iron pipe, 2 1/2 inches in diameter, 4 feet long, 18 inches in the ground in mound of rocks, for Cor. No. 3, an iron cap on top, mkd. M25-3-4211; M22-3-4211; M23-3-4211; M24-4-4211; from which
	A mound of rocks, 3 ft. base, 3 ft. high, bears southerly 4 ft.
	thence S 89° 57' E
300.0	North end center, being a mound of rocks, 3 ft. base, 4 ft. high, identical with the south end center of the Maggie No. 24 lode of this survey and agreeing with the north end center of the location
600.0	Cor. No. 4 Identical with the Cor. No. 3 of the Maggie No. 24 lode of this survey, where I
	Set a basalt rock, 7x8x26 inches, 17 inches in the ground for Cor. No. 4, mkd. M25-4-4211; M24-3-4211; from which
	A mound of rocks, 4 ft. base, 4 ft. high, bears westerly 4.5 ft.
	Thence S 0° 03' E
300.0	Northwest corner of the Minnesota No. 4 lode unsurveyed
900.0	Southwest corner of the Minnesota No. 4 lode and the northwest corner of the Minnesota No. 3 lode, both unsurveyed.
1500.0	Cor. No. 1 and place of beginning.

feet

MAGGIE NO. 22

Beginning at Cor. No. 1 of the Maggie No. 22 lode

Identical with Cor. No. 4 of the Maggie No. 15 lode of this survey; where I set

Sandstone rock, 7x8x25 inches, 16 inches in the ground for Cor. No. 1, mkd. M22-1-4211; M15-4-4211; from which

A mound of rocks, 3 ft. base, 4 ft. high, bears westerly 3 ft.

The Cor. of Secs. 29, 30, 31 and 32, T 12 N, R 13 W, G & S R ~~32~~ M, previously described, bears N 89° 57' W 600.0 ft. dist.

thence N 0° 03' W

1500.0

Cor. No. 2

Identical with Cor. No. 3 of the Maggie No. 15 lode, Cor. No. 3 of the Maggie No. 17 lode and Cor. No. 4 of the Maggie No. 23 lode, all of this survey; where I set

An iron pipe 2 1/2 inches diameter, 4 feet long, 2 inches in the ground to bed rock, in a mound of rocks, 5 feet diameter, 2 ft. high, for Cor. No. 2, an iron cap on top, mkd. M22-2-4211; M15-3-4211; M17-3-4211; M23-4-4211; from which

A mound of rocks, 4 ft. base, 4 ft. high, bears southerly 4 feet.

thence S 89° 57' E

300.0

North end center, being a mound of rocks 3 ft. base, 3 ft. high, identical with the south end center of the Maggie No. 23 lode of this survey and agreeing with the north end center of the location

600.0

Cor. No. 3

Identical with Cor. No. 3 of the Maggie No. 25 lode of this survey

thence S 0° 03' E

1500.0

Cor. No. 4

Identical with Cor. No. 2 of the Maggie No. 25 lode of this survey

thence N 89° 57' W

300.0

South end center, being a mound of rocks, 3 ft. base, 3 ft. high, agreeing with the south end center of the location

600.0

Cor. No. 1 and place of beginning.

Maggie No. 15

Beginning at Cor. No. 1 of the Maggie No. 15 lode

Identical with Cor. No. 1 of the Maggie No. 12 lode of this survey

thence N 0° 03' W

feet	
1058.0	Cross gulch, 10 feet wide, course southwesterly
1500.0	Cor. No. 2
	Identical with Cor. No. 4 of the Maggie No. 14 lode, Cor. No. 2 of the Muroc No. 4 lode and Cor. No. 4 of the Maggie No. 17 lode, all of this survey; where I set an
	Iron pipe, 2 1/2 inches in diameter, 4 feet long, 18 inches in the ground in a mound of rocks, for Cor. No. 2, an iron cap on top mkd. M15-2-4211; M14-4-4211; M4-2-4211; M17-4-4211; from which
	A mound of rocks 4 ft. base, 4 feet high, bears southerly 16.0 ft.
	thence S 89° 57' E
155.0	Cross gulch, 10 feet wide, course southerly
300.0	North end center, a mound of rocks 3 ft. base, 3 ft. high, identical with south-end center of the Maggie No. 17 lode of this survey and agreeing with the north end center of the location
600.0	Cor. No. 3
	Identical with Cor. No. 2 of the Maggie No. 22 lode of this survey
	thence S 0° 03' E
1500.0	Cor. No. 4
	Identical with Cor. No. 1 of the Maggie No. 22 lode of this survey
	thence N 89° 57' W
300.0	South end center, a mound of rocks 3 ft. base, 3 ft. high, agreeing with the south end center of the location
535.0	Cross road, 10 feet wide, course northwesterly
600.0	Cor. No. 1 and place of beginning.
	MAGGIE NO. 14
	Beginning at Cor. No. 1 of the Maggie No. 14 lode
	Identical with Cor. No. 1 of the Maggie No. 12 lode of this survey
	thence S 89° 59' W
10.00	Witness Cor. to Cor. No. 1.
300.0	South end center, identical with the north end center of the Maggie No. 12 lode of this survey and agreeing with the south end center of the location
600.0	Cor. No. 2
	Identical with Cor. No. 4 of the Maggie No. 12 lode of this survey
	thence N 0° 03' W
655.0	Cross gulch, 10 feet wide, course southwesterly
1500.0	Cor. No. 3

feet

Identical with Cor. No. 4 of the Maggie No. 13 lode,
Cor. No. 2 of the Muroc No. 3 lode and Cor. No. 3 of
the Muroc No. 4 lode, all of this survey, where I set

An iron pipe, 2 1/2 inches diameter, 4 feet long, 18
inches in the ground in a mound of rocks, for Cor.
No. 3, an iron cap on top mkd. M14-3-4211; M13-4-
4211; M3-2-4211; M4-3-4211; from which

A mound of rocks, 3 ft. base, 4 ft. high, bears
southerly 3.5 ft.

thence N 89° 59' E

300.0 North end center, a mound of rocks, 3 ft. base, 3 ft.
high, identical with the south end center of the
Muroc No. 4 lode of this survey and agreeing with the
north end center of the location

600.0 Cor. No. 4

Identical with Cor. No. 2 of the Maggie No. 15 lode of
this survey

thence S 0° 03' E

442.0 Cross gulch, 10 feet wide, course southwesterly

1500.0 Cor. No. 1 and place of beginning.

MAGGIE NO. 13

Beginning at Cor. No. 1 of the Maggie No. 13 lode

Identical with Cor. No. 4 of the Maggie No. 12 lode of
this survey

thence S 89° 59' W

280.0 Cross road, 10 feet wide, course southerly

300.0 South end center, identical with the north end center of
the Maggie No. 16 lode of this survey and agreeing with
the south end center of the location

600.0 Cor. No. 2

Identical with Cor. No. 4 of the Maggie No. 16 lode of
this survey

thence N 0° 03' W

375.0 Cross gulch, 20 feet wide, course westerly

960.0 Cross Gulch, 10 feet wide, course southeasterly

1500.0 Cor. No. 3

Identical with Cor. No. 3 of the Maggie No. 31 lode,
Cor. No. 2 of the Muroc No. 2 lode and Cor. No. 3 of
the Muroc No. 3 lode, all of this survey, where I set

An iron pipe, 2 1/2 inches in diameter, 4 feet long,
18 inches in the ground in a mound of rocks for Cor.
No. 3, an iron cap on top mkd. M13-3-4211; M31-3-
4211; M2-2-4211; M3-3-4211; from which

A mound of rocks 3 ft. base, 4 ft. high, bears south-
erly 3 ft.

MINERAL SURVEY NO. 4211 - Arizona

 21
 20 18
 19

	feet	
		thence N 89° 59' E
300.0		North end center, a mound of rocks 3 ft. base, 3 ft. high, identical with the south end center of the Muroc No. 3 lode of this survey and agreeing with the north end center of the location
600.0		Cor. No. 4
		Identical with Cor. No. 3 of the Maggie No. 14 lode of this survey
		thence S 0° 03' E
845.0		Cross gulch, 10 feet wide, course southwesterly
1500.0		Cor. No. 1 and place of beginning.
		MAGGIE NO. 31
		Beginning at Cor. No. 1 of the Maggie No. 31 lode
		Identical with Cor. No. 1 of the Maggie No. 9 lode of this survey
		thence N 0° 03' W
280.0		Cross gulch, 20 feet wide, course westerly
1500.0		Cor. No. 2
		Identical with Cor. No. 3 of the Maggie No. 7-A lode, Cor. 4 of the Muroc No. 1 lode and Cor. No. 3 of the Muroc No. 2 lode, all of this survey, where I set an
		Iron pipe, 2 1/2 inches diameter, 4 feet long, 18 inches in the ground in a mound of rocks, for Cor. No. 2, an iron cap on tap mkd. M31-2-4211; M1-4-4211; M2-3-4211; M7A-3-4211; from which
		A mound of rocks, 3 ft. base, 4 feet high, bears southerly 4 ft.
		thence N 89° 59' E
212.0		Cross gulch, 10 feet wide, course southerly
300.0		North end center, a mound of rocks, 3 ft. base, 3 ft. high identical with south end center of the Muroc No. 2 lode of this survey and agreeing with the north end center of the location
600.0		Cor. No. 3
		Identical with Cor. No. 3 of the Maggie No. 13 lode of this survey
		thence S 0° 03' E
540.0		Cross gulch 10 ft. wide, course southeast.
1125.00		Cross gulch 20 ft. wide, course westerly.
1500.0		Cor. No. 4
		Identical with Cor. No. 4 of the Maggie No. 16 lode of this survey
		thence S 89° 59' W
300.0		South end center, identical with the north end center of the Maggie No. 9 lode of this survey and agreeing with the south end center of the location

feet		feet
600.0	Cor. No. 1 and place of beginning.	
	MAGGIE NO. 7-A	
	Beginning at Cor. No. 1 of the Maggie No. 7-A lode	
	Identical with Cor. No. 1 of the Maggie No. 7 lode of this survey	
	thence N 0° 03' W	
40.0	Cross gulch, 20 feet wide, course southwesterly	
1500.0	Cor. No. 2	
	Identical with Cor. No. 4 of the Maggie No. 6 lode, Cor. No. 1 of the Muroc lode and Cor. No. 1 of the Muroc No. 1 lode, all of this survey, where I set	
	An iron pipe, 2 1/2 inches diameter, 4 feet long, 18 inches in the ground in a mound of rocks, for Cor. No. 2, an iron cap on top mkd. M7A-2-4211; M6-4-4211; M-1-4211; M1-1-4211; from which	
	A mound of rocks, 3 ft. base, 3 ft. high, bears southerly 3 ft.	
	thence N 89° 59' E	
300.0	North end center, a mound of rocks 3 ft. base, 3 ft. high, identical with the south end center of the Muroc No. 1 lode of this survey and agreeing with the north end center of the location	
600.0	Cor. No. 3	
	Identical with Cor. No. 2 of the Maggie No. 31 lode of this survey	
	thence S 0° 03' E	
1220.0	Cross gulch, 20 feet wide, course westerly	
1500.0	Cor. No. 4	
	Identical with Cor. No. 1 of the Maggie No. 9 lode of this survey	
	thence S 89° 59' W	
300.0	South end center, identical with the north end center of the Maggie No. 7 lode of this survey and agreeing with the south end center of the location	
600.0	Cor. No. 1 and place of beginning	
	MAGGIE NO. 6	
	Beginning at Cor. No. 1 of the Maggie No. 6 lode	
	Identical with Cor. No. 1 of the Maggie No. 7 lode of this survey	
	thence S 89° 59' W	
105.0	Cross gulch, 25 feet wide, course southwesterly	
241.7	1/4 Cor. between Secs. 30 & 31, T12N, R13W, G & S R 5 & 7.	
300.0	South end center, identical with the north end center of	

feet		feet
	the Maggie No. 8 lode of this survey and agreeing with the south end center of the location	
600.0	Cor. No. 2 Identical with Cor. No. 4 of the Maggie No. 8 lode of this survey thence N 0° 03' W	
1500.0	Cor. No. 3 Identical with Cor. No. 2 of the Muroc lode of this survey, where I set A basalt rock, 5x11x24 inches, 16 inches in the ground, for Cor. No. 3, mkd. M6-3-4211; M-2-4211; from which A mound of rocks, 3 ft. base, 4 ft. high, bears southerly 3.5 ft. thence N 89° 59' E	
300.0	North end center, a mound of rocks, 3 ft. base, 3 ft. high, identical with the south end center of the Muroc lode of this survey and agreeing with the north end center of the location.	
600.0	Cor. No. 4 Identical with Cor. No. 2 of the Maggie No. 7-A lode of this survey thence S 0° 03' E	
1460.0	Cross gulch, 20 feet wide, course southwesterly	
1500.0	Cor. No. 1 and place of beginning.	
	MAGGIE NO. 24	
	Beginning at Cor. No. 1 of the Maggie No. 24 lode Identical with Cor. No. 2 of the Maggie No. 23 lode of this survey, where I set A basalt rock, 7x7x28 inches, 16 inches in the ground, for Cor. No. 1, mkd. M24-1-4211; M23-2-4211; from which A mound of rocks, 4 ft. base, 4 ft. high, bears southerly 4 ft. ^{Sec.} The 1/4 Cor. between Secs. 29 and 30, T 12 N, R 13 W, G & S R Ex M, bears S 73° 28' W 1251.4 ft., an iron post, 1 in. diameter, 18 inches above ground, firmly set in ground and mound of stone, marked and witnessed as described in the official record. thence S 89° 57' E	
300.0	North end center, a mound of rocks, 3 ft. high, 3 ft. base, agreeing with the north end center of the location	
600.0	Cor. No. 2 Set a limestone rock, 6x10x30 inches, 20 inches in the ground for Cor. No. 2, mkd. M24-2-4211; from which a mound of rocks, 3 ft. base, 4 ft. high, bears south-	

23

MINERAL SURVEY NO. 4211 - Arizona

22

feet	
	erly 5 ft. thence S 0° 03' E
1500.0	Cor. No. 3 Identical with Cor. No. 4 of the Maggie No. 25 lode of this survey thence N 89° 57' W
300.0	South end center, identical with the north end center of the Maggie No. 25 lode of this survey and agreeing with the south end center of the location
600.0	Cor. No. 4 Identical with Cor. No. 3 of the Maggie No. 25 lode of this survey thence N 0° 03' W
1500.0	Cor. No. 1 and place of beginning. MAGGIE NO. 23 Beginning at Cor. No. 1 of the Maggie No. 23 lode Identical with Cor. No. 2 of the Maggie No. 17 lode of this survey, where I set A basalt rock, 4x13x24 inches, 16 inches in the ground for Cor. No. 1, mkd. M23-1-4211; M17-2-4211; from which A mound of rocks, 4 ft. base, 4 ft. high, bears southerly 4 ft. Sec The 1/4 Cor. between Secs. 29 and 30, T 12 N, R 13 W, G & S R 2x M, previously described, bears S 59° 15' W 697.8 ft. thence S 89° 57' E
300.0	North end center, a mound of rocks, 3 ft. base, 3 feet ix high, agreeing with the north end center of the location
600.0	Cor. No. 2 Identical with Cor. No. 1 of the Maggie No. 24 lode of this survey thence S 0° 03' E
1500.0	Cor. No. 3 Identical with Cor. No. 3 of the Maggie No. 25 lode of this survey thence N 89° 57' W
300.0	South end center, identical with the north end center of the Maggie No. 22 lode of this survey and agreeing with the south end center of the location
600.0	Cor. No. 4 Identical with Cor. No. 2 of the Maggie No. 22 lode of

24
25

feet	this survey
1500.0	thence N 0° 03' W Cor. No. 1 and place of beginning.
	MAGGIE NO. 17
	Beginning at Cor. No. 1 of the Maggie No. 17 lode, on line between Secs. 29 and 30, T. 12 N. R. 13 W., G & S. R. M. Identical with Cor. No. 1 of the Muroc No. 4 lode of this survey, where I set
	An iron pipe, 2 1/2 inches diameter, 4 feet long, 18 inches in the ground in a mound of rocks, for Cor. No. 1, an iron cap on top mkd. M17-1-4211; M4-1-4211; from which
	A mound of rocks, 3 ft. base, 3 ft. high, bears southeasterly 3 ft.
	Sec. The 1/4 Cor. between Secs. 29 and 30, T 12 N, R 13 W, G & S R R M, previously described; bears S 0° 03' E 357.2 ft.
	thence S 89° 57' E
300.0	North end center, a mound of rocks 3 ft. base, 3 ft. high, agreeing with the north end center of the location
600.0	Cor. No. 2 Identical with Cor. No. 1 of the Maggie No. 23 lode of this survey
	thence S 0° 03' E
1500.0	Cor. No. 3 Identical with Cor. No. 2 of the Maggie No. 22 lode of this survey
	thence N 89° 57' W
300.0	South end center, identical with the north end center of the Maggie No. 15 lode of this survey and agreeing with the south end center of the location
445.0	Cross gulch, 10 feet wide, course southerly
600.0	Cor. No. 4 Identical with Cor. No. 2 of the Maggie No. 15 lode of this survey
	thence N 0° 03' W
	Sec. The 1/4 Cor. between Secs. 29 and 30, T 12 N, R 13 W, G & S R R M
1500.0	Cor. No. 1 and place of beginning.
	MUROC NO. 4
	Beginning at Cor. No. 1 of the Muroc No. 4 lode Identical with Cor. No. 1 of the Maggie No. 17 lode of this survey

25

MINERAL SURVEY NO. 4211 - Arizona

24

feet		thence S 0° 03' E
357.2	Sec. The 1/4 Cor. between Secs. 29 and 30, T 12 N, R 13 W, G. & S. R. Box M.	
1500.0	Cor. No. 2	
		Identical with Cor. No. 2 of the Maggie No. 15 lode of this survey
		thence S 89° 59' W
300.0		South end center, identical with the north end center of the Maggie No. 14 lode of this survey, and agreeing with the south end center of the location
600.0	Cor. No. 3	
		Identical with Cor. No. 3 of the Maggie No. 14 lode of this survey
		thence N 0° 03' W
1500.0	Cor. No. 4	
		Identical with Cor. No. 1 of the Muroc No. 3 lode of this survey, where I set
		A basalt rock, 7x12x25 inches, 16 inches in the ground for Cor. No. 4, mkd. M4-4-4211; M3-1-4211; from which
		A mound of rocks, 3 ft. base, 3 ft. high, bears southerly 3.5 ft.
		thence N 89° 59' E
300.00		North end center, a mound of rocks, 3 ft. base, 3 ft. high, agreeing with the north end center of the location
600.0		Cor. No. 1 and place of beginning.
		MUROC NO. 3
		Beginning at Cor. No. 1 of the Muroc No. 3 lode
		Identical with Cor. No. 4 of the Muroc No. 4 lode of this survey; from which
	Sec.	The 1/4 Cor. between Secs. 29 and 30, T 12 N, R 13 W, previously described, bears S 59° 16' E 698.5 ft.
		thence S 0° 03' E
1500.0	Cor. No. 2	
		Identical with Cor. No. 3 of the Maggie No. 14 lode of this survey
		thence S 89° 59' W
300.0		South end center, identical with the north end center of the Maggie No. 13 lode and agreeing with the south end center of the location
600.0	Cor. No. 3	
		Identical with Cor. No. 3 of the Maggie No. 13 lode of this survey
		thence N 0° 03' W

1500.0	Cor. No. 4	Identical with Cor. No. 1 of the Muroc No. 2 lode of this survey, where I set A basalt rock, 8x10x26 inches, 16 inches in the ground for Cor. No. 4, mkd. M3-4-4211; M2-1-4211; from which A mound of rocks, 3 ft. base, 3 ft. high, bears southerly 3 ft. thence N 89° 59' E
300.0	North end center,	a mound of rocks, 3 ft. base, 3 ft. high, agreeing with the north end center of the location
600.0	Cor. No. 1 and place of beginning.	
		MUROC NO. 2
		Beginning at Cor. No. 1 of the Muroc No. 2 lode Identical with Cor. No. 4 of the Muroc No. 3 lode of this survey; from which Sec. 29 The 1/4 Cor. between Secs. 29 and 30, T 12 N, R 13 W, G. & S R. M, previously described, bears S 73° 27' E 1252.2 ft. thence S 0° 03' E
1500.0	Cor. No. 2	Identical with Cor. No. 3 of the Maggie No. 13 lode of this survey thence S 89° 59' W
300.0	South end center,	identical with the north end center of the Maggie No. 31 lode of this survey and agreeing with the south end center of the location.
388.0	Cross gulch	10 ft. wide, course southerly.
600.0	Cor. No. 3	Identical with Cor. No. 2 of the Maggie No. 31 lode of this survey thence N 0° 03' W
1500.0	Cor. No. 4	Identical with Cor. No. 3 of the Muroc No. 1 lode of this survey, where I set A basalt rock, 10x12x31 inches, 18 inches in the ground for Cor. No. 4, mkd. M2-4-4211; M1-3-4211; from which a mound of rocks, 3 ft. base, 3 ft. high, bears southerly 3,5 ft. thence N 89° 59' E
300.0	North end center,	a mound of rocks, 3 ft. base, 3 ft. high, agreeing with the north end center of the location
600.0	Cor. No. 1 and place of beginning.	

27

MINERAL SURVEY NO. 4211 - Arizona

26

feet

MUROC NO. 1

Beginning at Cor. No. 1 of the Muroc No. 1 lode

Identical with Cor. No. 2 of the Maggie No. 7-A lode of this survey, from which

See

The 1/4 Cor. between Secs. 30 and 31, T 12 N, R 13 W, G & S R ~~Box~~ M; previously described, bears S 9° 06' W 1519.2 ft. dist.

thence N 0° 03' W

1500.0

Cor. No. 2

Identical with Cor. No. 4 of the Muroc lode of this survey, where I set

A basalt rock, 7x9x25 inches, 16 inches in the ground, for Cor. No. 2, mkd. M1-2-4211; M-4-4211; from which

A mound of rocks, 3 ft. base, 4 ft. high, bears southerly 4 ft.

thence N 89° 59' E

300.0

North end center, a mound of rocks, 3 ft. base, 3 ft. high, agreeing with the north end center of the location

600.0

Cor. No. 3

Identical with Cor. No. 4 of the Muroc No. 2 lode of this survey

thence S 0° 03' E

1500.0

Cor. No. 4

Identical with Cor. No. 2 of the Maggie No. 31 lode of this survey

thence S 89° 59' W

300.0

South end center, identical with the north end center of the Maggie No. 7-A lode of this survey, and agreeing with the south end center of the location

600.0

Cor. No. 1 and place of the beginning.

MUROC

Beginning at Cor. No. 1 of the Muroc lode

Identical with Cor. No. 21 of the Maggie No. 7-A lode of this survey

thence S 89° 59' W

300.0

South end center, identical with the north end center of the Maggie No. 6 lode of this survey and agreeing with the south end center of the location

600.0

Cor. No. 2

Identical with Cor. No. 3 of the Maggie No. 6 lode of this survey

feet

thence N 0° 03' W

1500.0

Cor. No. 3

A basalt rock in place, 21x33 inches, 15 inches above the ground, for Cor. No. 3, mkd. M-3-4211; from which

A mound of rocks, 3 ft. base, 4 ft. high bears southerly 3 ft.

thence N 89° 59' E

300.0

North end center, a mound of rocks, 3 ft. base, 3 ft. high, agreeing with the north end center of the location

600.0

Cor. No. 4

Identical with Cor. No. 2 of the Muroc No. 1 lode of this survey

thence S 0° 03' E

1500.0

Cor. No. 1 and place of the beginning.

LODE LINES

The presumed course of the vein of each of the several lode locations embraced in this survey, counted from the respective points of discovery, is as follows:-

Rudy lode, S 0° 03' E 500 ft., and, N 0° 03' W 1000 ft.

Rudy No. 1 lode, S 0° 03' E 380 ft., and, N 0° 03' W 1120 ft.

Mesa lode, N 0° 03' W 750 ft., and, S 0° 03' E 750 ft.

Mesa No. 1 lode, N 0° 03' W 750 ft., and, S 0° 03' E 750 ft.

Mesa No. 2 lode, N 0° 03' W 750 ft., and, S 0° 03' E 750 ft.

Mesa No. 3 lode, N 0° 03' W 750 ft., and, S 0° 03' E 750 ft.

Mesa No. 4 lode, N 0° 03' W 750 ft., and, S 0° 03' E 750 ft.

Mesa No. 5 lode, N 0° 03' W 750 ft., and S 0° 03' E 750 ft.

Maggie No. 12 lode, S 0° 03' E 330 ft., and N 0° 03' W 1170 ft.

Maggie No. 16 lode, N 0° 03' W 50 ft., and, S 0° 03' E 1450 ft.

Maggie No. 9 lode, N 0° 03' W 22 ft., and, S 0° 03' E 1478 ft.

Maggie No. 7 lode, N 0° 03' W 100 ft., and S 0° 03' E 1400 ft.

Maggie No. 8 lode, N 0° 03' W 100 ft., and, S 0° 03' E 1400 ft.

Maggie No. 26 lode, N 0° 03' W 650 ft., and, S 0° 03' E 850 ft.

- Maggie No. 27 lode, S 0° 03' E 250 ft., and, N 0° 03' W 1250 ft.
- Maggie No. 25 lode, N 0° 03' W 100 ft., and, S 0° 03' E 1400 ft.
- Maggie No. 22 lode, N 0° 03' W 100 ft., and S 0° 03' E 1400 ft.
- Maggie No. 15 lode, N 0° 03' W 95 ft., and S 0° 03' E 1405 ft.
- Maggie No. 14 lode, S 0° 03' E 400 ft., and, N 0° 03' W 1100 ft.
- Maggie No. 13 lode, S 0° 03' E 570 ft., and, N 0° 03' W 930 ft.
- Maggie No. 31 lode, S 0° 03' E 480 ft., and, N 0° 03' W 1020 ft.
- Maggie No. 7-A lode, S 0° 03' E 360 ft., and, N 0° 03' W 1140 ft.
- Maggie No. 6 lode, S 0° 03' E 400 ft. and, N 0° 03' W 1100 ft.
- Maggie No. 24 lode, S 0° 03' E 120 ft., and N 0° 03' W 1380 ft.
- Maggie No. 23 lode, S 0° 03' E 100 ft., and N 0° 03' W 1400 ft.
- Maggie No. 17 lode, S 0° 03' E 100 ft., and N 0° 03' W 1400 ft.
- Muroc No. 4 lode, S 0° 03' E 160 ft., and, N 0° 03' W 1340 ft.
- Muroc No. 3 lode, S 0° 03' E 100 ft., and N 0° 03' W 1400 ft.
- Muroc No. 2 lode, S 0° 03' E 10 ft., and, N 0° 03' W 1490 ft.
- Muroc No. 1 lode, S 0° 03' E 450 ft., and, N 0° 03' W 1050 ft.
- Muroc lode, S 0° 03' E 150 ft., and, N 0° 03' W 1350 ft.

AREAS

acres

Total Area, Mesa lode - - - - -	20.661
Total Area, Mesa No. 1 lode - - - - -	20.661
Total area, Mesa No. 2 lode - - - - -	20.661
Total area, Mesa No. 3 lode - - - - -	20.661
Total area, Mesa No. 4 lode - - - - -	20.661
Total area, Mesa No. 5 lode - - - - -	20.661
Total area, Rudy lode - - - - -	20.661
Total area, Rudy No. 1 lode - - - - -	20.661
Total Area, Maggie No. 6 lode - - - - -	20.661
Total area, Maggie No. 7 lode - - - - -	20.661

MINERAL SURVEY NO. 4211 - Arizona

	acres
Total area, Maggie No. 7-A lode - - - - -	20.661
Total area, Maggie No. 8 lode - - - - -	20.661
Total area, Maggie No. 9 lode - - - - -	20.661
Total area, Maggie No. 12 lode - - - - -	20.661
Total area, Maggie No. 13 lode - - - - -	20.661
Total area, Maggie No. 14 lode - - - - -	20.661
Total area, Maggie No. 15 lode - - - - -	20.661
Total area, Maggie No. 16 lode - - - - -	20.661
Total area, Maggie No. 17 lode - - - - -	20.661
Total area, Maggie No. 22 lode - - - - -	20.661
Total area, Maggie No. 23 lode - - - - -	20.661
Total area, Maggie No. 24 lode - - - - -	20.661
Total area, Maggie No. 25 lode - - - - -	20.661
Total area, Maggie No. 31 lode - - - - -	20.661
Total area, Muroc lode - - - - -	20.661
Total area, Muroc No. 1 lode - - - - -	20.661
Total area, Muroc No. 2 lode - - - - -	20.661
Total area, Muroc No. 3 lode - - - - -	20.661
Total area, Muroc No. 4 lode - - - - -	20.661
Total area, Maggie No. 26 lode - - - - -	20.661
Total area, Maggie No. 27 lode - - - - -	20.661

LOCATION.

This survey is located in the W 1/2 of Sec. 29, in Sec. 30 and Sec. 31, T 12 N, R 13 W, G & S R Bx & M, Arizona.

The survey of each of the lode locations of this survey is identical with the respective location as marked on the ground.

EXPENDITURE OF \$500

I certify that 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 is not less than \$500, and that said improvements consist of:-

- No. 1. The discovery cut of the Rudy lode, the face of which being the discovery point, is on the center line 500 ft. from the south end center; 4 ft. wide, 4 ft. face, running North 11 ft. to face., at face is shaft 4x7 ft., 4 ft. deep

Value \$50.

- No. 1 The discovery cut of the Rudy No. 1 lode, the face of which being the discovery point is on the center line 380 ft. from the south end center; 4 ft. wide, 10 ft. face, running S 45° W 12 ft. to face
Value \$50
- No. 2 Open cut, the mouth of which bears S 10° 14' E 730 ft. from Cor. No. 1 of the Rudy No. 1 lode; 4 feet wide, 8 ft. face, running East 12 ft. to face.
Value \$40
- No. 3 Open cut, the mouth of which bears S 10° 14' E 685 ft. from Cor. No. 1 of the Rudy No. 1 lode; 6 ft. wide, 8 ft. face, running East 7 ft. to face; in bottom of cut is shaft 4x7 ft. 2 ft. deep
Value \$50
- No. 1 The discovery cut of the Mesa lode, the face of which being the discovery point is on the center line 750 ft. from the south end center; 4 ft. wide, 8 ft. face, running N 60° W 10 ft. to face
Value \$40
- No. 1 The discovery cut of the Mesa No. 2 lode, the face of which being the discovery point is on the center line 750 ft. from the south end center; 4 ft. wide, 9 ft. face, running West 10 ft. to face
Value \$ 40
- No. 1 The discovery shaft of the Mesa No. 1 lode, the center of which being the discovery point is on the center line 750 ft. from the south end center; 4x6 ft. 8 ft. deep
Value \$50
- No. 1 The discovery shaft of the Mesa No. 3 lode, the center of which being the discovery point is on the center line 750 ft. from the south end center; 4x6 ft., 8 ft. deep
Value \$50
- No. 1 The discovery shaft of the Mesa No. 4 lode, the center of which being the discovery point is on the center line 750 ft. from the south end center; 4x6 ft., 8 ft. deep
Value \$50
- No. 1 The discovery cut of the Mesa No. 5 lode, the face of which being the discovery point is on the center line 750 ft. from the south end center; 4 ft. wide, 10 ft. face, running East 12 ft. to face
Value \$50
- No. 1 The discovery cut of the Maggie No. 12 lode, the face of which being the discovery point is on the center line 330 ft. from the south end center; 4 ft. wide, 10 ft. face, running N 30° W 12 ft. to face.
Value \$50
- No. 1 The discovery shaft of the Maggie No. 16 lode, the center of which being the discovery point is on the center line 50 ft. from the north end center; 4x6 ft., 8 ft. deep
Value \$50
- No. 1 The discovery cut of the Maggie No. 9 lode, the face of which being the discovery point is on the center line 22 ft. from the north end center; 4 ft. wide, 10 ft. face, running South 12 ft. to face
Value \$50
- No. 1 The discovery cut of the Maggie No. 7 lode, the face of which being the discovery point is on the center line

MINERAL SURVEY NO. 4211 - Arizona

31

- 100 ft. from the north end center; 4 ft. wide, 10 ft. face, running South 15 ft. to face
Value \$60
- No. 2 A tunnel, the mouth of which bears S 15° 42' E 168 ft. from Cor. No. 1 of the Maggie No. 7 lode; 4x6 ft., running South 185 ft. to breast; at breast is winze, 4x6 ft. 11 ft. deep
Value of tunnel and Winze \$2200
(Note:- the value of this tunnel and winze is included in a common improvement description further on in the notes)
- No. 3 An open cut, the mouth of which bears S 48° 30' E 72 ft. from the north end center of the Maggie No. 7 lode; 4 ft. ~~face~~ wide, 10 ft. face, running South 18 ft. to face
Value \$75
- No. 1 The discovery cut of the Maggie No. 8 lode, the face of which being the discovery point is on the center line 100 ft. from the north end center; 4 ft. wide, 10 ft. face, running NORTH 12 ft. to face
Value \$50
- No. 2 An open cut, the mouth of which bears S 9° 08' W 133 ft. from Cor. No. 1 of the Maggie No. 8 lode; 3 ft. wide, 8 ft. face, running south 12 ft. to face, at face is a second open cut, 3 ft. wide, 4 ft. face, running South 10 ft. to face.
Value \$50
- No. 1 The discovery cut of the Maggie No. 26 lode, the face of which being the discovery point is on the center line 650 ft. from the north end center; 4 ft. wide, 10 ft. face, running North 12 ft. to face
Value \$50
- No. 1 The discovery cut of the Maggie No. 27 lode, the face of which being the discovery point is on the center line 250 ft. from the south end center; 4 ft. wide, 10 ft. face, running North 12 ft. to face
Value \$50
- No. 1 The discovery cut of the Maggie No. 25 lode, the face of which being the discovery point is on the center line 100 ft. from the north end center; 4 ft. wide, 10 ft. face, running South 12 ft. to face
Value \$50
- No. 1 The discovery shaft of the Maggie No. 22 lode, the center of which being the discovery point is on the center line 100 ft. from the north end center; 4x6 ft., 8 ft. deep
Value \$50
- No. 2 A shaft, the center of which bears S 24° W 150 ft. from the north end center; 4x6 ft., 8 ft. deep
Value \$50
- No. 1 The discovery cut of the Maggie No. 15 lode, the face of which being the discovery point is on the center line 95 ft. from the north end center; 4 ft. wide, 10 ft. face, running N 80° E 12 ft. to face
Value \$50
- No. 2 An open cut, the mouth of which bears S 34° 45' E 211 ft. from Cor. No. 2 of the Maggie No. 15 lode; 4 ft. wide, 10 ft. face, running N 80° E 12 ft. to face
Value \$50
- No. 3 An open cut, the mouth of which bears S 3° 35' E 453 ft.

from Cor. No. 2 of the Maggie No. 15 lode; 4 ft. wide,
10 ft. face, running S 36° E 12 ft. to face

Value \$50

No. 1 The discovery cut of the Maggie No. 14 lode, the face of
which being the discovery point is on the center line
400 ft. from the south end center; 4 ft. wide, 10 ft.
face, running South 12 ft. to face

Value \$50

No. 2 An open cut, the mouth of which bears N 0° 03' W 710 ft.
from the south end center of the Maggie No. 14 lode;
4 ft. wide, 8 ft. face, running South 10 ft. to face

Value \$40

No. 3 An open cut, the mouth of which bears N 19° 10' W 794 ft.
from Cor. No. 1 of the Maggie No. 14 lode; 4 ft. wide,
10 ft. face, running North 12 ft. to face

Value \$40

No. 4 An open cut, the mouth of which bears S 0° 03' E 418 ft.
from Cor. No. 4 of the Maggie No. 14 lode; 4 ft. wide,
8 ft. face, running N 36° W 14 ft. to face

Value \$50

No. 1 The discovery cut of the Maggie No. 13 lode, the face of
which being the discovery point is on the center line
570 ft. from the south end center; 4 ft. wide, 9 ft.
face, running North 12 ft. to face; at face of cut is
tunnel 4x6 ft. running North 20 ft. to breast

Value of cut \$50

Value of tunnel \$200

(Note:- the value of this improvement has been included in the Common
Improvements)

No. 2 An open cut, the mouth of which bears N 11° 12' E 608 ft.
from Cor. No. 2 of the Maggie No. 13 lode; 5 ft. wide,
10 ft. face, running N 60° E 12 ft. to face

Value \$60

No. 1 The discovery cut of the Maggie No. 31 lode, the face of
which being the discovery point is on the center line
480 ft. from the south end center; 4 ft. wide, 10 ft.
face, running North 15 ft. to face

Value \$65

No. 2 An open cut, the mouth of which bears S 75° 42' W 112 ft.
from the north end center of the Maggie No. 31 lode;
4 ft. wide, 6 ft. face, running N 70° W 14 ft. to face

Value \$35

No. 1 The discovery cut of the Maggie No. 7-A lode, the face of
which being the discovery point is on the center line
360 ft. from the south end center; 4 ft. wide, 8 ft.
face, running N 15° W 12 ft. to face; at face of cut is
tunnel 4x6 ft., running N 15° W 20 ft. to breast

Value of cut \$40

Value of tunnel \$200

(Note:- The value of this improvement has been included in the
Common Improvements)

No. 2 An open cut, the mouth of which bears N 33° 21' W 288 ft.
from Cor. No. 4 of the Maggie No. 7-A lode; 4 ft. wide,
10 ft. face, running N 70° W 12 ft. to face

Value \$50

No. 3 An open cut, the mouth of which bears N 36° 02' W 336 ft.
from Cor. No. 4 of the Maggie No. 7-A lode; 5 ft. wide,
8 ft. face, running N 60° W 10 ft. to face

Value \$40

- No. 1 The discovery cut of the Maggie No. 6 lode, the face of which being the discovery point, bears from south end center on center line 400 ft.; 4 ft. wide, 10 ft. face, running North 12 ft. to face
Value \$50
- No. 2 An open cut, the mouth of which bears N 33° 32' E 267 ft. from the south end center of the Maggie No. 6 lode; 4 ft. wide, 8 ft. face, running north 12 ft. to face
Value \$40
- No. 3 A tunnel, the mouth of which bears N 29° 05' E 281 ft. from the south end center of the Maggie No. 6 lode; 4x6 ft., running North 17 ft. to point; thence 4x6 ft. running N 30° W 45 ft. to breast
Value \$620
(Note the value of this tunnel has been included in the Common Improvements)
- No. 1 The discovery cut of the Maggie No. 24 lode, the face of which being the discovery point is on the center line 120 ft. from the south end center; 4 ft. wide, 10 ft. face, running North 12 ft. to face
Value \$50
- No. 1 The discovery shaft of the Maggie No. 23 lode, the center of which being the discovery point is on the the center line 100 ft. from the south end center; 4x6 ft., 8 ft. deep
Value \$50
- No. 1 The discovery shaft of the Maggie No. 17 lode, the center of which being the discovery point is on the center line 100 ft. from the south end center; 4x6 ft., 8 ft. deep
Value \$50
- No. 2 An open cut, the mouth of which bears N 27° 45' W 132 ft. from the south end center of the Maggie No. 17 lode; 4 ft. wide, 6 ft. face, running East 12 ft. to face
Value \$30
- No. 3 A shaft, the center of which bears N 0° 03' W 280 ft. from the south end center of the Maggie No. 17 lode; 4x6 ft., 3 ft. deep
Value \$15
- No. 1 The discovery shaft of the Muroc No. 4 lode, the center of which being the discovery point is on the center line 160 ft. from the south end center; 4x6 ft., 8 ft. deep
Value \$50
- No. 1 The discovery shaft of the Muroc No. 3 lode, the center of which being the discovery point is on the center line 100 ft. from the south end center; 4x6 ft., 8 ft. deep
Value \$50
- No. 2 A shaft, the center of which bears N 35° 45' W 120 ft. from the south end center of the Muroc No. 3 lode; 4x6 ft., 8 ft. deep
Value \$50
- No. 1 The discovery shaft of the Muroc No. 2 lode, the center of which being the discovery point is on the center line 10 ft. from the south end center; 4x6 ft., 8 ft. deep
Value \$50
- No. 1 The discovery cut of the Muroc No. 1 lode, the face of which being the discovery point is on the center line

- 450 ft. from the south end center; 4 ft. wide, 10 ft. face, running East 12 ft. to face
Value \$50
- No. 2 A trench, the east end of which bears N 69° 25' W 82 ft. from the south end center of the Muroc No. 1 lode; 2x4 ft., running West 10 ft.
Value \$20
- No. 1 The discovery shaft of the Muroc lode, the center of which being the discovery point is on the center line 150 ft. from the south end center; 4x6 ft., 8 ft. deep
Value \$50
- No. 2 An open cut, the mouth of which bears N 16° 34' W 258 ft. from the south end center of the Muroc lode; 4 ft. wide 6 ft. face, running North 12 ft. to face
Value \$30

The oredeposit covered by these claims is a large blanket deposit of low-grade manganese ore. The blanket deposit consists of several horizontal beds one below the other. The main exposure occurs in the walls of the deep canyon that crosses from east to west about in the center of the group. Much time and money has been spent in developing a metallurgical process to successfully recover the low-grade values. For this reason the main development work has been in tunnels on the sides of the canyon and in drill holes. The drill holes have proven that these beds are continuous and underlie the most of the property. The improvements on this group have been concentrated in the tunnels and the drill holes. Therefore the value of the tunnels and the drill holes listed below have been considered and are a common improvement system and a 1/31 interest in the total value of these improvements has been allotted to each of the lode claims comprising this group. See topographic map herewith:

All of the drill holes are diamond drill holes and start on the surface with a diameter of 4 inches, gradually becoming smaller in diameter as depth is reached. The cores and sludges of each hole were carefully sampled and the manganese content obtained.

improvement no.2 on the Maggie No.12 lode,
Diamond Drill hole, the center of which bears S 5° 36' W
532 ft. from Cor. No. 1 of the Maggie No. 12 lode
406 ft. deep

improvement No.2 on the Mesa No.1 lode,
Diamond Drill hole, the center of which bears S 27° 02'
W 314 ft. from Cor. No. 4 of the Mesa No. 1 lode
258 ft. deep

improvement No.2 on the Maggie No.9 lode,
Diamond Drill hole, the center of which bears S 22° 03' W
485 ft. from Cor. No. 2 of the Maggie No. 9 lode, 220
ft. deep

improvement No.4 on the Maggie No.7 lode,
Diamond Drill hole, the center of which bears N 25° 00' E
293 ft. from Cor. No. 4 of the Maggie No. 7 lode, 288
ft. deep

improvement No.2 on the Maggie No.16 lode,
Diamond Drill hole, the center of which bears N 16° 17' E
540 ft. from Cor. No. 3 of the Maggie No. 16 lode, 233
ft. deep

improvement No.3 on the Maggie No.13 lode,
Diamond Drill hole, the center of which bears N 45° 00' E
32 ft. from the south end center of the Maggie NO. 13
lode, 227 ft. deep

improvement No.4 on the Maggie No.15 lode,
Diamond drill hole, the center of which bears N 6° 43' W

MINERAL SURVEY NO. 4211 - Arizona

524 ft. from Cor. No. 4 of the Maggie No. 15 lode,
180 ft. deep

Total depth of drill holes 1812 ft.

Value of drill holes - - - - -	\$13,590.
Value of improvement Nos. 2, Maggie No. 7 lode -	2,200
Value of tu ^l No. 1, Maggie No. 13 lode - - - - -	250
Value of tu ^l No. 1, Maggie No. 7-A lode - - - - -	240
Value of tu ^l No. 3, Maggie No. 6 lode - - - - -	620
Value of 6300 ft. of road to drill holes - - -	<u>1,260</u>

Total Value of common improvements - - - \$18,160

Value of a 1/31 interest \$585.80

(Insert #)

ADJOINING CLAIMS

North	Minnesota No. 5, Minnesota No. 6, Minnesota No. 7 and Minnesota No. 11, all unsurveyed. M. C. Lake, Claimant lodes,
East	Minnesota No. 3 and Minnesota No. 4, both unsurveyed. M. C. Lake, Claimant.

The 6300 ft. of road on these claims was built to facilitate the hauling in of the diamond drills and other equipment necessary for the drilling of the diamond drill holes. Before the construction of this road, the surface of these claims was inaccessible for the use of machinery. The sole purpose of the road was to make this portion of the property accessible to a planned campaign of drilling.

FINAL OATHS FOR SURVEYS

LIST OF NAMES

A list of the names of the individuals employed by Ralph L. Motz

~~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 Arizona Man-
ganese Corporation, known as the Maggie No. 6, Maggie No. 7, Maggie No.
8, Maggie No. 7-A, Maggie No. 9, Maggie No. 12, Maggie No. 13, Maggie
No. 14, Maggie No. 15, Maggie No. 16, Maggie No. 17, Maggie No. 22,
Maggie No. 23, Maggie No. 24, Maggie No. 25, Maggie No. 26, Maggie No.
27, Maggie No. 31, Mesa, Mesa No. 1, Mesa No. 2, Mesa No. 3, Mesa No. 4,
Mesa No. 5, Muroc No. 1, Muroc, Muroc No. 2, Muroc No. 3, Muroc No. 4
and showing the respective capacities in which they acted.

George Erickson , Chainman.
..... , Chainman.
..... , Axman.
..... , Flagman.

FINAL OATHS OF ASSISTANTS

~~XXX~~ I, George Erickson

and do solemnly swear that we assisted Ralph L. Motz

....., ~~United States~~ Mineral Surveyor, in marking the corners and surveying
Arizona Manganese Corporation, known as the
the boundaries of the mining claim of Maggie No. 6, Maggie No. 7, Maggie No. 7-A,
Maggie No. 8, Maggie No. 9, Maggie No. 12, Maggie No. 13, Maggie No. 14,
Maggie No. 15, Maggie No. 16, Maggie No. 17, Maggie No. 22, Maggie No.
23, Maggie No. 24, Maggie No. 25, Maggie No. 26, Maggie No. 27, Maggie
No. 31, Mesa, Mesa No. 1, Mesa No. 2, Mesa No. 3, Mesa No. 4, Mesa No.
5, Muroc, Muroc No. 1, Muroc No. 2, Muroc No. 3, Muroc No. 4, Rudy and
Rudy No. 1 lodges
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 Office Cadastral Engineer, at Phoenix, Arizona.

George Erickson , Chainman.
..... , Chainman.
..... , Axman.
..... , Flagman

Subscribed and sworn to by the above-named persons before me this 8th

day of March , 19 38.

W. H. Meischer
Notary Public, in and for the
County of Cochise, State of Arizona.

FINAL OATH OF U. S. MINERAL SURVEYOR

I, Ralph L. Motz, U. S. Mineral Surveyor,

do solemnly swear that, in pursuance of instructions received from the Office Cadastral Engineer, at Phoenix, Arizona, dated February 12, 1938,

I have, in strict conformity to the laws of the United States, the official regulations and instructions thereunder, and the instructions of said Office Cadastral Engineer,

faithfully and correctly executed the survey of the mining claim of Arizona Manganese Corporation, known as the Maggie No. 6, Maggie No. 7, Maggie No. 7-A, Maggie No. 8, Maggie No. 9, Maggie No. 12, Maggie No. 13, Maggie No. 14, Maggie No. 15, Maggie No. 16, Maggie No. 17, Maggie No. 22, Maggie No. 23, Maggie No. 24, Maggie No. 25, Maggie No. 26, Maggie No. 27, Mesa No. 1, Mesa No. 2, Mesa No. 3, Mesa No. 4, Mesa No. 5, Muroc, Muroc No. 1, Muroc No. 2, Muroc No. 3, Muroc No. 4, Rudy and Rudy No. 1 lodes situate in Owens Mining District,

Maggie No. 31,

Mohave County, Arizona, in Sections 29, 30, 31, Township No. 12 N., Range No. 13 W. G&SR&M

and designated as Survey No. 4211, 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 Office Cadastral Engineer with said instructions, and that all corners of said survey have been established and perpetuated in strict accordance with the law, official regulations and instructions thereunder; 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.

Ralph L. Motz
(U. S. Mineral Surveyor)

Subscribed and sworn to by the said Ralph L. Motz

U. S. Mineral Surveyor, before me W. H. Miescher, Notary Public

this 7th

day of March, 19 38

W. H. Miescher
Notary Public, in and for the
County of Cochise, State of Arizona.

OFFICE CADASTRAL ENGINEER'S FINAL CERTIFICATE ON FIELD NOTES

Department of the Interior

PUBLIC SURVEY OFFICE

Phoenix, Arizona

April 8, 1938

I, Office Cadastral Engineer, at Phoenix, Arizona

do hereby certify that the foregoing transcript of the Field Notes, return and approval of the survey

of the mining claim of Arizona Manganese Corporation, known as the
Maggie No. 6, Maggie No. 7, Maggie No. 7-A, Maggie No. 8, Maggie No. 9,
Maggie No. 12, Maggie No. 13, Maggie No. 14, Maggie No. 15, Maggie No. 16,
Maggie No. 17, Maggie No. 22, Maggie No. 23, Maggie No. 24, Maggie No. 25,
Maggie No. 26, Maggie No. 27, Maggie No. 31, Mesa, Mesa No. 1, Mesa No. 2,
Mesa No. 3, Mesa No. 4, Mesa No. 5, Muroc, Muroc No. 1, Muroc No. 2,
Muroc No. 3, Muroc No. 4, Rudy, and Rudy No. 1 lodes, situate in Owens

Mining District, Mohave County Arizonain Section 29, 30, 31 Township No. 12 N., Range No. 13 W., G & SRM, anddesignated as Survey No. 4211, 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.

I further certify that Five Hundred Dollars worth of labor has been expended or improvements
 made upon, or for the benefit of, each location embraced in said mining claim by claimant

or its grantors,

and that said improvements consist of 37 cuts, 16 shafts, 4 tunnels, 1 trench,
1 winze, 7 drill holes and 6300 ft. of road, total value \$20,480.

Improvement No. 2 on the Maggie No. 7 lode, improvement No. 2 on the
Maggie No. 13 lode, improvement No. 1 on the Maggie No. 7-A lode,
improvement No. 3 on the Maggie No. 6 lode, together with the 7 drill
holes and 6300 ft. of road to the drill holes, form a system of
common improvements for the benefit and development of the entire
group, and a 1-31st interest in the value of such system, \$585.80,
is properly credited to each claim in the group.

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.

Sherman C. Fiske

Office Cadastral Engineer.

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF MINING CLAIM

DEPARTMENT OF THE INTERIOR PUBLIC SURVEY OFFICE

At Phoenix, Arizona

April 8, 1938

I, Office Cadastral Engineer at Phoenix, Arizona

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

Mining Claim of Arizona Manganese Corporation, known as the Maggie No. 6, Maggie No. 7, Maggie No.7-A, Maggie No. 8, Maggie No. 9, Maggie No.12, Maggie No.13, Maggie No. 14, Maggie No.15, Maggie No.16, Maggie No.17, Maggie No.22, Maggie No.23, Maggie No.24, Maggie No.25, Maggie No.26, Maggie No.27, Maggie No.31, Mesa, Mesa No.1, Mesa No.2, Mesa No.3, Mesa No.4, Mesa No.5, Muroc, Muroc No.1, Muroc No.2, Muroc No.3, Muroc No.4, Rudy, and Rudy No.1 lodes,

situate in Owens mining district,

Mohave County, Arizona

in Sections 29, 30, 31, Township No. 12 N., Range No. 13 W., G & SRM

, designated as Survey No. 4211

executed by Ralph L. Motz, U.S. Mineral

Surveyor, February 14 - March 1, 1938, under my instructions dated

February 12, 1938, 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.

Sherman C. Fiske Office Cadastral Engineer.

Feet

SUPPLEMENTAL FIELD NOTES

of

MINERAL SURVEY NO. 4211.

Beginning at Cor. No.2 of the Maggie No.24 lode, thence, along
line 2-3 said lode,

S. 0° 03' E.

357.72 to intersect the south boundary of the SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 29, T. 12 N.,
R. 13 W., thence, along said south boundary,

N. 89° 56' W.

479.66 to the S.W. Cor. of said SE $\frac{1}{4}$ NW $\frac{1}{4}$, thence, along the west boundary
of said SE $\frac{1}{4}$ NW $\frac{1}{4}$

N. 0° 03' W.

357.58 to its intersection with line 1-2 of the Maggie No. 24 lode, thence,
along said line 1-2

S. 89° 57' E.

479.66 to the place of beginning, containing 3.938 acres.

DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE
Public Survey Office
Phoenix, Arizona,
April 20, 1943.

I hereby certify that the above supplemental field notes correctly describe that portion of the Maggie No.24 lode, of Mineral Survey No. 4211, in conflict with the SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 29, T. 12 N., R. 13 W., G. & S.R.M., Arizona, as determined from the records of this office, and that the plats of Mineral Survey No. 4211, on file in this office, the District Land Office, Phoenix, Arizona, and the General Land Office, have been amended in distinctive colored ink to correctly show such conflict. Reference is made to memorandum "N" of April 10, (Phoenix 078721), from the Acting Commissioner of the General Land Office

E. A. Thompson
Acting Office Cadastral Engineer