4-688

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. Lilio	27
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	f agent	
	and the state of the state of	
		Land Street No. 3
	ARIZONA	Land District.
	and attraction of the con-	
	territoria de la compania del compania del compania de la compania del compania del compania de la compania del	The page 1
	FIELD NOTE	ES
	Of The Survey Of The Mining	g Claim Of
	ARIZONA MANGANESE CORPORAT	
	•	
	Known As The	
uroc No. udy No. ode clai		, Rudy Fraction and Mesa No. 5
	OWENS	Mining District,
	Mohave County,	Arizona
ection Section	31 Township 12 North 6. Township 11 North	Range 13 West Range 13 West
Sur	veyed under order datedJune 20 and	d Aug. 17, 1956
	byJ.a.1	WILLIAM WAARA
		Mineral Surveyor.
	Claim locatedsee inside cover	, 19
	Survey commenced June 21	, 19.56
	Survey completedOctober 10	, 19.56
	Address of claimant Arizona Manganes	se Corporation
	c/o Fred J. Elli Security Bldg	iott, Attorney Phoenix, Arizona
	DATES OF AMENDED LOCAT	

Name of Location

Muroc No. 5

Muroc No. 6

Muroc No. 7

Maggie No. 27

Rudy No. 2

Rudy No. 3

Rudy No. 5

Rudy No. 6

Rudy No. 7

Rudy No. 8

Rudy Fraction

Mesa No. 5

Date Located

June 9, 1956

August 11, 1956

August 11, 1956

June 6, 1956

June 9, 1956

August 11, 1956

June 5, 1956

June 6, 1956

June 11, 1956

June 11, 1956

May 22, 1956

November 17, 1933

Cimins

node. to

W. 0°091 E.,

d-8 on

.9 190°0 .

e Ma. 27

194-11-55

Teo o .

Maggie

This survey was made with a Lietz light mountain transit No. 5403 with horizontal limb 5 ins. in diam., having two double opposite verniers, and full vertical circle 5 ins. in diam., having two double opposite verniers; the horizontal limb verniers read to thirty seconds of arc, and the vertical circle verniers read to one minute of arc; the eyepiece is fitted to receive a clear and colored prismatic eyepiece suitable for making direct observations upon the sun. The instrument was in good condition at the time of the survey and all adjustments were in good order.

All azimuths in this record were determined by the method of deflection angles referred to the meridian determined by the following observation:

July 21, 1956, on the north end line of the Rudy No. 2 lode, near its center end in latitude 34°20' N., and longitude 113°39' W., I made a series of six altitude observations upon the sun for azimuth at approximately equal time intervals, three each with the telescope in direct and reversed positions, observing the opposite limbs of the sun, and reading the horizontal angle from a reference point about 600 feet westward, counterclockwise to the sun.

Mean time of observation, 105th meridian standard time= 10h00mA.M. Declination of the sun at mean time of observation =20°23'18" N. Mean observed vertical angle to sun's center

Mean horizontal angle from reference point to

=N.89°57'00" W.

True bearing to reference point =N.80°571001 The lines were measured with a 500 foot steel tape, graduated every foot. This tape was compared with a 100 foot standard steel 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 declination observed at each corner of the survey gave a uniform value of 15°00! E.

The geographic position of the cor. of Ts. 11 and 12 N., Rs. 13 and Il. W., as derived from township plats is latitude 34°19'54" N., and longitude 113°39'56" W.

MAGGIE NO. 27 LODE

Feet

At Cor. No. 1 of the Maggie No. 27 lode of this survey, identical with Cor. Nos. 1 and 4 of Sur. No. 4211 Maggie No. 27 and Maggie No. 26 lodes. No. 26 lodes.

A volcanic stone 10 ins. exposed, set as original corner stone, with mound of stone alongside, chiseled M 26-4-4211, M 27-1-4407; from

almitted to early For I . The $\frac{1}{4}$ sec. cor. of Secs. 30 and 31, T. 12 N., R. 13 W., bears S. 89°51' E., 958.3 ft. dist.

No bearing trees or bearing objects available.

Thence S. 0°09 W.

of for, No. ART.

1145.0

Gulch, drains southwesterly.

1300.0

1500.0

Cor. No. 2, identical with Cor. No. 4 Mesa No. 5 and Cor. No. 3 Rudy No. 6 lodes, of this survey and located on line 1-2 Maggie No. 27 lode, and line 4-3 Maggie No. 26 lodes of Sur. No. 4211.

			2
60	edisoqno e two	Set an iron pipe, 30 ins. long, 1/2 in. diam., fitted with a floor flange, 18 ins. into the ground and surrounded by a mound of stone, with copper plate mkd. M 27-2, M 5-4, R 6-3-4407; from which	The state of the s
	od beg bus 180.	Cor. Nos. 2, 3, and 4 of Sur. No. 4211 Maggie No. 27, Maggie No. 26, and Mesa No. 5 lodes, bears S. 0°09' W., 15.0 ft. dist.	
		No bearing objects or bearing trees available.	
		the survey at around the man and all some developments and the more than	
	155.0	Road, bears NE. and SW. : No have a gaine flot	
	290.0	Gulch, drains, southwesterly. Its in last on the control of the co	
	300.0	A mound of stone on lode line; the discovery point bears N. 0°09° E., 250.0 ft. dist.	
.M.	600.0	Maggie No. 27 lode of Sur. No. 4211.	
W	46311508 46311508	Set an iron pipe, 30 ins. long, 1/2 in. diam., fitted with a floor flange, 18 ins. into the ground and surrounded by a mound of stone, with copper plate mkd. M 27-3, R 6-2, R 5-3-1407; from which	
	ind steel	Cor. No. 3, Sur. No. 4211 Maggie No. 27 lode, bears S. 0°09° W.,	
		No other bearing objects or bearing trees available.	
	Soums o	Thence No 0009 E. och in 2 over	
و	1500.0	Cor. No. 4, identical with Cor. No. 4 Sur. No. 4211 Maggie No. 27 lode.	
		A volcanic stone 10 ins. exposed, set as original corner stone of Sur. No. 4211, with mound of stone alongside, chiseled M 27-4-4211-4407.	
	dentical Magrie	No bearing objects or bearing trees available. 100 34 3991 200 . No bearing objects or bearing trees available. 100 34 3991 200 . No bearing objects or bearing trees available. 100 34 3991 200 . No bearing objects or bearing trees available. 100 34 3991 200 . No bearing objects or bearing trees available. 100 34 3991 200 . No bearing objects or bearing trees available. 100 34 3991 200 . No bearing objects or bearing trees available. 100 34 3991 200 . No bearing objects or bearing trees available. 100 34 3991 200 . No bearing objects or bearing trees available. 100 34 3991 200 . No bearing objects or bearing trees available. 100 34 3991 200 . No bearing objects or bearing trees available. 100 34 3991 200 . No bearing objects or bearing trees available. 100 30 30 30 30 30 30 30 30 30 30 30 30 3	
rK	300.0	A mound of stone on lode line; the discovery point bears S. 0°09' W., 1250.0 ft. dist. A holosto entangle and to bridge	
		Cor. No. 1 and place of beginning. The free, sec. sec. 30 and 31, 7. 32 M., F. 13 W.	
		. aldal ave at MESA NO. 5 LODE about intrade of	
		Beginning at Cor. No. 1 of the Mesa No. 5 lode located on line 1-2 Maggie No. 26 lode, identical with line 3-4 Maggie No. 8 lode, both of Sur. No. 4211.	
	o in a	It was impracticable to set a pipe corner at this point, so Local established a witness cor. S. 0°08' W., 4.2 ft., a two inch pipe set in concrete and three ft. exposed, surrounded by a mound of stone, marked M 5-1, M 4-4, M 8-3, M 26-2-4211, also W C 4407 on cap of pipe.	

•	Chans Feet,	The 4 sec. cor. of Secs. 30 and 31, bears N. 13°35' E., 1542.3 ft. dist. (from true cor. point).
	Sears	. No bearing trees or bearing objects available.
		Thence S. 0°08' W. (from true cor. point)
	4.2	Witness cor. to Cor. No. 1 of this lode, identical with Cor. Nos. 1,2,3, and 4, Sur. No. 4211 Mesa No. 5, Maggie No. 26, Maggie No. 8, and Mesa No. 4 lodes.
	1500.0	Cor. No. 2, identical with Cor. No. 3 of the Muroc No. 6 lode of this survey and Cor. Nos. 3 and 4 Sur. No. 4211 Mesa No. 4 and Rudy lodes, and Cor. No. 2 Sur. No. 4211 Mesa No. 5 lode.
	No. 2 of 27 and	A volcanic stone 10 ins. exposed, set as original cor. stone of Survey No. 4211 with mound of stone alongside, chiseled M 4-3, M 5-2. R-4-4211 and M 6-3-4407.
		No bearing objects or bearing trees available.
		Thence N. 89°51' W.
	300.0	A mound of stone on lode line; the discovery point bears N. 0°08' E., 750.0 ft. dist.
	600.0	Cor. No. 3, identical with Cor. No. 4 Rudy No. 6 lode of this survey and cor. Nos. 3, 3, and 2 of Sur. No. 4211 Mesa No. 5, Rudy, and Rudy No. 1 lodes.
	and Cor.	A volcanic stone 10 ins. exposed, set as original core stone of Sur. No. 4211 with mound of stone alongside, chiseled M 5-3, R-3, R 1-2-4211, R 6-4-4407.
,	ie No 2	No bearing objects or bearing trees available.
		Thence N. 0°08 E.
VE	1485•0	Cor. Nos. 2, 3, and 4 of Sur. No. 4211 Maggie No. 27, Maggie No. 26, and Mesa No. 5 lodes, whence Cor. No. 2 Maggie No. 26 lode, and Cor. No. 1 Mesa No. 5 lode, bears N. 89°09' E., 600.0 ft. dist.
	1500.0 180°0 .	Cor. No. 4, identical with Cor. No. 3 Rudy No. 6 lode, and Cor. No. 2 Maggie No. 27 lode, both of this survey, and located on line 1-2 Maggie No. 27 lode, identical with line 3-4 Maggie No. 26 lode, both of Sur. No. 4211.
		Thence S. 89°51' E.
	300.0	A mound of stone on lode line; the discovery point bears S. 0°08' W., 750.0 ft. dist.
	600.0	Cor. No. 1 and place of beginning to the minute of the control of th
	e a floor of steep	flang, 18 ins. iadol 10 op, 1/2 in. dism., fitted with flang, 18 ins. iadol 00.00 VUN and surrounded by a meand which comer place med. R [-1]. M [-1-hin]: Iron which
a.i	14.3 ft. (Beginning at Cor. No. 1 of the Rudy No. 6 lode, identical with Cor. No. 2 Murec No. 5 lode, Cor. No. 4 Rudy No. 5 lode, both of this survey and Cor. No. 1, Sur. No. 4211 Rudy No. 1 lode.
		Thence N. O°C6 A.

Chams	A two duck duck and the control of t
Feet	A two inch iron pipe set in concrete and three feet exposed, surrounded by a mound of stone, mkd. R. 1-1-1211, M 5-2, R 5-1, R 5
	The west 4 sec. cor. of Sec. 31, T. 12 N., R. 13 W., bears N. 70°02° W., 1058.4 ft. dist.
(Jniug	No bearing objects or bearing trees available.
e Nos	h.2 Witness cor. to Cor. No. 1 or this lode, identical with C
910.0	Road, bears NE. and SW.
1200.0	Gulch, course southwesterly. 2 .aoM .noU ban wayners aids
1474.2	
1500.0	Cor. No. 2, identical with Cor. Nos. 3 of the Maggie No. 27 and Rudy No. 5 lodes of this survey. Thence S. 89°51' E.
300.0	A mound of stone on lode line; the discovery point bears S. 0°08' W., 80.0 ft. dist. woosib and each about no energy to bear 0.008'
310.0	Gulch, course southwesterly.
445.0	600.0 Cdr. No. 3, identical with Cor. No. 1 Rudy No. 6 Lode or and cor. Nos. 3, and 2 of SurW. bhal. M. bears NEady No. 1 lodes.
600.0	Cor. No. 3, identical with Cor. No. 2 Maggie No. 27 lode, and Cor. No. 4 Mesa No. 5 lode, both of this survey.
6	Thence S0°081 W. R , LTSS-L R
15.0	Cor. Nos. 2, 3, and 4 of Sur. No. 4211 Maggie No. 27, Maggie No. 26, and Mesa No. 5 lodes.
1500.0 	Cor. No. 4, identical with Cor. No. 3 Mesa No. 5 lode of this survey, and Cor. Nos. 3, 3, and 2 of Sur. No. 4211 Mesa No. 5, Rudy, and Rudy No. 1 lodes.
	Thence N. 89°51' W.
300.0	A mound of stone on lode line; the discovery point bears N. 0°08 E.,
600.0	Cor. No. 1 and place of beginning.
.w 180°0 .	erced Juicq gravoscib and parti abol no acoust to muom A 0.600 RUDY NO. 5 LODE . dist. 30.007
	Beginning at Cor. No. 1, identical with Cor. No. 1 Muroc No. 5 lode of this survey.
	Set an iron pipe, 30 ins. long, 1/2 in. diam., fitted with a floor flange, 18 ins. into the ground and surrounded by a mound of stone, with copper plate mkd. R 5-1, M 5-1-4407; from which
aid 1	The west 4 sec. cor. of Sec. 31, bears N. 47°38 W.; 534.3 ft. dist.
	No bearing objects or bearing trees available.
	Thence N. 0°08! E.

СНюния 1500.0	Cor. No. 2
	Set an iron pipe, 30 ins. long, 1/2 in. diam., fitted with a floor flange, 18 ins. into the ground and surrounded by a mound of stone, with copper plate mkd. R 5-2-4407.
	No bearing objects or bearing trees available.
	Thence S. 89°51' E.
300.0	A mound of stone on lode line; the discovery point bears S. 0°08' W. 1185.0 ft. dist.
	Cor. No. 3, identical with Cor. No. 3 Maggie No. 27 lode and Cor. No. 2 Rudy No. 6 lode of this survey.
. 0°13' I.,	300.0 A meand of atone on lode line; the discovery point bears 1. Thence S. 0°08! W. dist. of 18.0 List.
25.89	· Cor. No. 3 of Sur. No. 4211 Maggie No. 27 lode.
	Gulch, course southwesterly.
590.0	
1500:0	Cor. No. 4, identical with Cor. No. 1 Rudy No. 6 lede, and Cor. No. 2 Muroc No. 5 lode of this survey, and Cor. No. 1 Sur. No. 4211 Rudy No. 1 lode.
	Thence N. 89°51' W.
20.0	Road, bears NW. and SE.
275.0	Gulch, course southerly.
300.0	A mound of stone on lode line; the discovery point bears N. 0°08' E. 15.0 ft. dist.
600.0	Cor. No. 1 and place of beginning.
	Listing of the control of the state of the s
J. N. Mer.,	Beginning at Cor. No. 1, identical with Cor, No. 1 Rudy No. 5 lode of this survey.
	.afasia va coert Thence S. 89°51' E. Tand of
300.0	A mound of stone on lode line; the discovery point bears S. 0°13' W. 1365.0 ft. dist.
325.0	Gulch, course southerly.
580.0	Road, bears NW. and SE. in 10 abol 7 . of sorth d . of . root 4. of
600.0	Rudy No. 6 lode of this survey and Cor. No. 1 of Sur. No. 4211 Rudy No. 1 lode.
a floor,	Set an iron pine, 30 irs. long, 1/2 in. diam., litted with times, 15 ins W 181 0. S sond to surrounded by a mound with copper plate mkd. R 5-2, F 7-1-1607.
20.0	Road, bears NW. and SE.

	=Ghains Feet	(#mins 1500.0 Cor. No. 2
	1500.0	Cor. No. 3, identical with Cor. No. 4 Sur. No. 4211 Rudy No. 1 lode, located on line 1-2 Rudy No. 7 lode of this survey.
		A volcanic stone 10 ins. exposed, set as original corner stone of Sur. No. 4211, with mound of stone alongside, chiseled R 1-4-4211, M 5-3-4407.
		Thence N. 89°51' W.
* 3	20.0	Gulch, course southeasterly.
	42.2	A mound of stone on lode line of the Rudy No. 7 lode of this survey.
	300.0	A mound of stone on lode line; the discovery point bears N. 0°13' E., 135.0 ft. dist. 180°0 2 sound?
	330.5	Cor. No. 1 of the Rudy No. 7 lode, identical with Cor. No. 2 of the Rudy No. 8 lode of this survey.
	600.0	Cor. No. 4 on line 1-2 of the Rudy No. 8 lode of this survey.
	1 Cor. No.	Set an iron pipe, 30 ins. long, 1/2 in. diam., fitted with a floor flange, 18 ins. into the ground and surrounded by a mound of stone, with copper plate mkd. M 5-4-4407.
		No bearing objects or bearing trees available.
		Thence N. 0°13! E.
	1500.0	Cor. No. 1 and place of beginning. Cor. No. 1 and place of beginning.
e •	4 70.0	300.0 A mound of stone on lode line; the discovery point bears I
		Beginning at Cor. No. 1 of the Rudy No. 8 lode.
		Set an iron pipe, 30 ins. long, 1/2 in. diam., fitted with a floor flange, 18 ins. into the ground and surrounded by a mound of stone, with copper plate mkd. R 8-1-4407; from which
	. 5 lode	The cor. of Ts. 11 and 12 N., Rs. 13 and 14 W., G. & S.R.Mer., bears S. 3°05' W., 792.8 ft. dist.
		No bearing objects or bearing trees available.
	4 18E°O	Thence S. 89°51 E. at a factor A 0.000
		A mound of stone on lode line; the discovery point bears S. 15°15' E., 1386.2 ft. dist.
	349.5	Cor. No. 4 Muroc No. 5 lode of this survey. We are a cost
	619.0	Cor. No. 2, identical with Cor. No. 1 Rudy No. 7 lode of this survey, located on line 3-4 Muroc No. 5 lode of this survey.
	717//	Set an iron pipe, 30 ins. long, 1/2 in. diam., fitted with a floor flange, 18 ins. into the ground and surrounded by a mound of stone, with copper plate mkd. R 8-2, R 7-1-1407.
		No bearing objects or bearing trees available.

SURVEY NO. 4407

Chains Feet	Thence S. 15°15' E.
1476.2	Cor. No. 3, identical with Cor. No. 4 Rudy No. 7 lode of this survey.
Cor. No.	Set an iron pipe, 30 ins. long, 1/2 in. diam., fitted with a floor flange, 18 ins. into the ground and surrounded by a mound of stone, with copper plate mkd. R 8-3, R 7-4-1407.
	No bearing objects or bearing trees available.
	Thence N. 89°51° W. irrson off
310.3	A mound of stone on lode line; the discovery point bears N. 15°15' W. 90 ft. dist.
395.0	Road, bears NNW. and SSE. Road, bears NNW. and SSE. 302.8 A mount of stone on lode line; the discovery point seems
620.5	Cor. No. 4
his surve	Set an iron pipe, 30 ins. long, 1/2 in. diam., fitted with a floor flange, 18 ins. into the ground and surrounded by a mound of stone, with copper plate mkd. R. 8-4-4407.
	No bearing objects or bearing trees available S. S. S.
enan destal	Thence N. 15°12' W.
1476.0	Cor. No. 1 and place of beginning.
r. No. 1	Beginning at Cox. No. 1 Rudy No. 2 lone, itemation) with Ox
	RUDY NO. 7 LODE
Riced	Beginning at Cor. No. 1 of the Rudy No. 7 lode, identical with Cor. No. 2 of the Rudy No. 8 lode of this survey; from which
o.i eni	The cor. of Ts. 11 and 12 N., Rs. 13 and 14 W., bears S. 39°
OE . 301	ners as tos states and Thence S. 89°51' E. 8.00 120
30.5	A mound of stone on lode line of the Muroc No. 5 lode of this survey.
287.3	A mound of stone on lode line; the discovery point bears S. 15°15' E., 1386.2 ft. dist.
310.5	Gulch, course southeasterly. 1200 . Head of the south of
330.5	Cor. No. 3 Muroc No. 5 lode of this survey, identical with Cor. No. 4 Sur. No. 4211 Rudy No. 1 lode.
590.1	Cor. No. 2, identical with Cor. No. 3 Rudy No. 2 lode of this survey, located on line 3-4 Sur. No. 4211 Rudy No. 1 lode.
of this this	Set an iron pipe, 30 ins. long, 1/2 in. diam., fitted with a floor flange, 18 ins. into the ground and surrounded by a mound of stone, with copper plate mkd. R 7-2, R 2-3-4407.
Jakog di #9 S	No bearing objects or bearing trees available. No bearing objects or bearing trees available. No lead to be a substant would be a substant of the substan
	Gulch, course southeasterly.

-		
	Cinons Feet	Road beers We and southern with the state of
	810.0	Road, bears NE. and southerly.
	1476.2	Cor. No. 3, identical with Cor. No. 2 Rudy No. 2 lode and Cor. No. 4 Rudy No. 3 lode, all of this survey.
The soul sales		Set an iron pipe, 30 ins. long, 1/2 in. diam., fitted with a floor flange, 18 ins. into the ground and surrounded by a mound of stone, with copper plate mkd. R 7-3, R 2-2, R 3-4-4407.
		No bearing objects or bearing trees available.
1		310.3 A mound of stow 12 98 c. N. State discovery point bears
	275.0	Road, bears NE. and SW.
	302.8	A mound of stone on lode line; the discovery point bears N. 15°15' W., 90.0 ft. dist.
	590.0	Cor. No. 4, identical with Cor. No. 3 Rudy No. 8 lode of this survey.
	oli suoine,	Thence N. 15°15' West or the control of the control
	1476.2	Cor. No. 1 and place of beginning. 300 do missed of
		Thence N. 15°12' W.
		PUDY NO. 2 LODE said placed to 0.0741
A. 202		Beginning at Cor. No. 1 Rudy No. 2 lode, identical with Cor. No. 1 of the Rudy No. 3 lode of this survey.
		The south \(\frac{1}{4} \) sec. cor. of Sec. 3l, T. 12 N., R. 13 W., bears 1.50 t.N. 23 \(\frac{1}{4} \) t.E., .703.8 ft. dist No bearing objects or bearing trees available.
70	evans sin	It was impracticable to set a pipe monument at this point due to steep slope and bed rock, so I established a witness corner N. 89° 51° W., 39.8 ft. dist., from the true point, set an iron pipe, 30 ins. long, 1/2 in. diam., fitted with a floor flange, 18 ins. into the ground and surrounded by a mound of stone, with copper plate mkd. R 2-1, R 3-1, WC-4407.
	. गर्ने, गर्ने	No bearing objects or bearing trees available.
	20.0	Gulch, course southerly. To sould a so
		t Cur. No. h21. Rudy No. 1 lode.
	ain	Witness corner to Cor. No. 1, identical with witness Cor. No. 1 of the Rudy No. 3 lode of this survey.
	71.1	Cor. No. 1 Rudy Fraction lode, on line 2-3 Muroc No. 7 lode of this survey. The core of the survey. The core of the survey of the core of the survey of the core of the survey of the core of the survey.
	97.6	A mound of stone on lode line of the Rudy Fraction lode of this survey.
The state of	310.0	Cor. No. 2 Rudy Fraction lode of this survey, identical with point on lode line; the discovery point bears N. 15°15' W., 1976.2 ft. dist.
		590.0 Galch, course southersterly.

	Chains Feet	House the state of
£2.	620.0	Cor. No. 2, identical with Cor. No. 3 Rudy No. 7 lode and Cor. No. 4 Rudy No. 3 lode, both of this survey.
		Thence N. 15°15' W.
	666.2	Road, bears NE. and S
	886.2	Gulch, course southeasterly. 1 . and OE , our north as 302
9	1476.2	Cor. No. 3, identical with Cor. No. 2 Rudy No. 7 lode of this survey, and located on line 3-1 Sur. No. 4211 Rudy No. 1 lode.
		Thence S. 89°51' E.
	190.0	Road, bears NNW and SSE.
	310.0	A mound of stone on lode line; the discovery point bears S. 15° 15' E., 500.0 ft. dist.
	341.2	Cor. Nos. 3 and 2 of Sur. No. 4211, Rudy No. 1 and Rudy
	590.0	Road, bears WNW. and ESE.
	610.5	Witness Cor. No. 4, on line 1-2 Sur. No. 4211, Rudy lode.
	r Lode. a a floor l of stone	Set an iron pipe, 30 ins. long, 1/2 in. diam., fitted with a floor flange, 18 ins. into the ground and surrounded by a mound of stone, with copper plate mkd. R 2-4-WC-4407.
9		No bearing trees or bearing objects available.
W	620.0	Cor. No. 4, identical with Cor. No. 3 Rudy Fraction lode of this survey, located on line 1-2 Sur. No. 4211 Rudy lode.
	iof Vo Aug No	This corner falls in a watercourse where it is impracticable to set a monument. Thence S. 15°15! E. Thence S. 15°15! E.
	10.0	Road, bears WNW and S. of E
	1209.02	Intersect line 4-1 Rudy Fraction lode, and line 2-3 Muroc No. 7 lode, both of this survey.
	1476.2	Cor. No. 1 and place of beginning.
		RUDY FRACTION LODE
		Beginning at Cor. No. 1 Rudy Fraction lode, located on line 2-3 Muroc No. 7 lode and line 1-2 Rudy No. 2 lode, and line 4-1 Rudy No. 3 lode, all of this survey.
		Set an iron pipe, 30 ins. long, 1/2 in. diam., fitted with a floor flange, 18 ins. into the ground and surrounded by a mound of stone, with copper plate mkd. R F-1-4407; from which
		The south \(\frac{1}{4} \) sec. cor. of Sec. 31, T. 12 N., R. 13 W., bears N. 28°46' E., 735.0 ft. dist.
	i a flocr	Thence N. 89°51' W. or and Jack

Feet	Freet Committee of which Committee C
26.5	A mound of stone on lode line; the discovery point bears N. 0°11' E., 1300.8 ft. dist.
238.9	Cor. No. 2 on line 1-2 Rudy No. 2 lode and line 4-1 Rudy No. 3 lode, both of this survey.
chis Lode	I wrom oobber brees were to re-restrois
	No bearing objects or bearing trees available.
	Thence N. 3°09' W.
570.0	Gulch, course southeasterly.
1420.0	Road, bears WNW and ESE,
1425.2	Cor. No. 3, identical with Cor. No. 4 Rudy No. 2 lode of this survey, located on line 1-2 Sur. No. 4211 Rudy lode. (Not monumented).
	Thence S. 89°51' E.
9.5	Witness Cor. No. 3 located on line 1-2 Sur. No. 4211 Rudy lode.
roof s	Set an iron pipe, 30 ins. long, 1/2 in. diam., fitted with a floor flange, 18 ins. into the ground and surrounded by a mound of stone, with copper plate mkd. R F-3-WC-1407.
	No bearing objects or bearing trees available.
295.2	A mound of stone on lode line; the discovery point bears S. 0°11' W., 122.0 ft. dist.
321.7	Cor. No. 4, identical with Cor. No. 2 Muroc No. 6 lode, Cor. No. 3 Muroc No. 7 lode, both of this survey, and Cor. No. 1 Sur. No. 4211 Rudy Lode.
No. 7	A volcanic stone 10 ins. exposed, set as original corner stone of Sur. No. 4211 with mound of stone alongside, chiseled R-1-4211, R F-4, M 7-3, M 6-2-4407.
	No bearing objects or bearing trees available.
	Thence S. O'll! W.
60.0	Road, bears N. of W. and ESE.
1165,22	Intersect line 4-1 Rudy No. 2 lode of this survey.
1248.0 -	Gulch, course southeasterly. 1 and bas abol 1.0% bord 1
1422.8	
e stone	flamer, 18 ins. into the ground and surrounded by a mount
, bears	MUROC NO. 7 LODE
	Beginning at Cor. No. 1 of the Muroc No. 7 lode.
	Set an iron pipe, 30 ins. long, 1/2 in. diam., fitted with a floor

	Feet	flange, 18 ins. into the ground and surrounded by a mound of stone, with copper plate mkd. M 7-1-4407; from which
		The south, \(\frac{1}{4}\) sec. cor. of Sec. 31, T. 12 N., R. 13 W., bears N. 18°47' W., 764.0 ft. dist.
	°o .r	No bearing objects or bearing trees available.
	lor lo	(about 1.01 port 18.01. Thence N. 89°51' W
	300.0	A mound of stone on the lode line; the discovery point bears N. 0°11' E., 600.0 ft. dist.
	507.56	Intersect line 1-2 Rudy No. 3 lode of this survey.
	515.0	Gulch, course southerly one (100 most best of the course southerly)
	600.0	Cor. No. 2.
, .W	2. 0°13'	Set an iron pipe, 30 ins. long, 1/2 in. diam., fitted with a floor flange, 18 ins. into the ground and surrounded by a mound of stone, with copper plate mkd. M 7-2-4407.
	11211	No bearing objects of bearing trees available.
		Thence N. O'll' E.
	77.2	Cor. No. 1 Rudy Fraction lode, located on line 1-2 Rudy No. 2 lode, both of this survey.
	252.0	Gulch, course southeasterly.
	334.78	Intersect line 4-1 Rudy No. 2 lode of this survey.
	功40.0	Road, bears N. of W. and ESE. of To sould be 1
	1500.0	Cor. No. 3, identical with Cor. No. 4 Rudy Fraction lode, Cor. No. 2 Muroc No. 6 lode, all of this survey, and Cor. No. 1 Sur. No. 4211 Rudy lode.
	lor No	
	300.0	A mound of stone on lode line; the discovery point bears S. O'll' W., 900.0 ft. dist.
	600.0	Cor. No. 4, identical with Cor. No. 1 Muroc No. 6 lode, of this survey.
	à a floor Lof stone	Set an iron pipe, 30 ins. leng, 1/2 in. diam., fitted with a floor flange, 18 ins. into the ground and surrounded by a mound of stone, with copper plate mkd. M 7-4, M 6-1-4407.
		No bearing objects or bearing trees available.
		Thence S. 0° 11' W.
	395.0	Road, bears NW. and SE.
	1500.0	Cor. No. 1 and place of beginning. 10 10 20 20 20 20 20 20 20 20 20 20 20 20 20
		Ling of the course continues
		MUROC NO. 6 LODE .S
		Beginning at Cor. No. 1 Muroc No. 6 lode, identical with Cor. No. 4 Muroc No. 7 lode of this survey; from which

Feet	The south \(\frac{1}{4} \) sec. cor. of Sec. 31, T: 12 N., R. 13 W., bears S. 17°54' W., 816.2 ft. dist:		
seers,	WEL		
300.0	A mound of stone on lode line; the discovery point bears N. 0° 13' E., 310.0 ft. dist.		
600.0	Cor. No. 2, identical sith Cor. No. 3 Muroc No. 7 lode, Cor. No. 4 Rudy Fraction lode, both of this survey, and Cor. No. 1, Sur. No. 4211 Rudy lode.		
	Thence N. 0°13! E		
1500.0	Cor. No. 3, identical with Cor. No. 2 Mesa No. 5 lode of this survey, and Cor. Nos. 2, 3, and 4 of Sur. No. 4211 Mesa No. 5, Mesa No. 4, and Rudy lodes.		
, , , , , , , , , , , , , , , , , , ,	Thence S. 89°51' E. Set an iron oie, 30°51' E.		
300.0	A mound of stone on lode line; the discovery point bears S. 0°13' W. 1190.0 ft. dist.		
600.0	Cor. No. 4, identical with Cor. Nos. 2 and 4 of Sur. No. 4211 Mesa No. 4 and Mesa No. 3 lodes.		
2. 2 lode	A volcanic stone 10 ins. exposed, set as original corner stone of Sur. No. 4211 with mound of stone alongside, chiseled M 6-4-4407, M 4-2, M 3-4-4211.		
	No bearing objects or bearing trees available.		
	33h.76 Intersect line verset line Spude Son and I ode of this survey.		
1500.0	Cor. No. 1 and place of beginning.		
	1500.0 Cor. No. 3, identical with Cor. No. h Hody Fr chion Lode,		
OIL	RUDY Node: adol 6 on Ydus Survey, san con. Ro. 1 Du		
15000	Beginning at Cor. No. 1 Rudy No. 3 lode, identical with Cor. No. 1 Rudy No. 2 lode of this survey (not monumented).		
EL U	Thence S. 15°15 E		
80.24	Intersect line 1-2 Muroc No. 7 lode of this survey.		
1500.0	Cor. No. 2. the batter, main .ni S\l gamel .eni OE , ecit mert us ted		
of stone			
	No bearing objects or bearing trees available.		
	Thence N. 89° 51' W. bear bear 0.398		
310.0	A mound of stone on lode line; the discovery point bears N. 15° 15° W., 800.0 ft. dist.		
440.0	Gulch, course southerly.		
620.0	Cor. No. 3. IGOI à .ON DORUM		
	Beginning at Cor. to. 1 Murce No. 5 lode, identical with		

Feet		h a floor of stone,	
	objects or bearing trees available.		
doide		No. 1	
	being the discovery point, is on the lode line 270 feet intersection with line 2-3; verseature servo across expension with line 2-3; verseature servo.		
1500.0	Cor. No. 4, identical with Cor. No. 3 Budy No. 7 lode, and Cor. No. 2 Rudy No. 2 lode, both of this survey.		
S OF I	feut, the face of which cears N. 52° W. 375 at. from C. Maggie No. 2.31112.98 .879 SnedTt face, bears northerly.	S ok	
310.0	Cor. No. 2 Rudy Fraction lode of this survey, identical w		
522.4	A mound of stone on lode line Rudy Fraction lode of this	survey.	
548.9	Cor. No. 1 Rudy Fraction lode, on line 2-3 Muroc No. 7 lo	de, both	
580.2	Witness Cor. No. 1 of this lode, identical with witness Cor. Rudy No. 2 lode of this survey.		
600.0	Gulch, course southerly. OU.7% asterny.		
620.0	Cor. No. 1 and place of beginning. of be forces of of the common tendence of beginning. Of the common tendence of beginning. No. 1211		
		10.1	
adi m	The discovery cut and season findy No. 6 lode, the face being the discovery point, is on the lode line 80 ft. from the received with line bol 75 on of siggeM serse lator utain	Acres 20,661	
JUNE 11	Area in conflict with:	20.661	
Cor No	Total area Mesa No. 5 lode	20.661	
	Sur. No. 4211 Mesa No. 5 lode Sur. No. 4211 Maggie No. 26 lode Total area Rudy No. 6 lode	20.527 0.132 20.661	
-madmi	Sur. No. 4211 Maggie No. 27 lode and the sure was to be sure. Total area Rudy No. 5 lode	0.281 20.661	
	Total area Muroc No. 5 lode Total area Rudy No. 8 lode Total area Rudy No. 7 lode	20.661 20.250 19.278	
of cut	Total area Rudy No. 2 lode de bas de moveda de salad	20.257	
jied	Muroc No. 7 lode of this survey 1 - 5 sail day as the Total area Rudy Fraction area and Area in conflict with:	0.210 9.155	
which	Rudy No. 2 lode of this survey Total area Muroc No. 7 loder to discovered and	4.853	
its	Rudy No. 3 lode of this survey - and not a constant of total area Rudy No. 3 lode Total area Rudy No. 3 lode	0.145 20.661 20.583	
	LOCATION		
	This survey is located in the NW_{4}^{1} and W_{2}^{1} of the NE_{4}^{1} Se T. 11 N., R. 13 W., and NW_{4}^{1} , SW_{4}^{1} , and W_{2}^{1} of SE_{4}^{1} Sec. 31, R. 13 W., of the Gila and Salt River Meridian, in the Ower District, Mohave County, State of Arizona.	r. 12 N.	
	All lodes of this survey are identical with their resplorations as marked on the ground.	ective	

-Gimins	ament if	
	Feet Set an iron sipe, 30 iSERUTIONSTAX2 in. diam., fitted wit	
enove to	The improvements and the value of the labor and improvements made upon or for the benefit of each of the lode locations embrace	
	in said mining claim by the claimant or its grantors are as follow	
No. 1	The discovery cut of the Maggie No. 27 lode, the face of which being the discovery point, is on the lode line 250 feet from its intersection with line 2-3; cut lixlox7 foot face containing shaft lix6x3 feet deep, bears northerly.	
100 0	Lyone Webs. 2 Redy No. 2 lode, both of this survey.	
No. 2	A cut, the face of which bears N. 52° W., 375 ft. from Cor. No. 2 Maggie No. 27 lode, 6x8x7.5 foot face, bears northerly. Value, \$100.00	
	310.0 Cor. No. 2 Endy Fraction lode of this survey, identical a	
.fr O.	To, be accredited to this lode is an undivided 1/31 interest in the Common Improvement as reported in Sur. No. 4211. Value 1/31 interest \$585.80	
	522.1 A mound of stone on lode line Rudy Fraction lode of this	
l .oo	The discovery cut of the Mesa No. 5 lode, the face of which being the discovery point, is on the lode line 750 ft. from its intersection with line 4-1; cut 4x10x10 foot face, bears easterly. Value, \$150.00	
	500.2 Witness Cor. We. 1 of this lode, identical with witness C	
No. 2	A cut, the face of which bears S. 12°45° E., 150 ft. from Cor. No. 4 Mesa No. 5 lode, 3.5x9x7 foot face, bears easterly.	
	Sco.0 Galca, course southerly. 0.000	
	To be accredited to this lode is an undivided 1/31 interest in the Common Improvement as reported in Sur. No. 4211 Value 1/31 interest \$585.80	
No. 1	The discovery cut and shaft of Rudy No. 6 lode, the face of cut being the discovery point, is on the lode line 80 ft. from its intersection with line 2-3; cut hallux8 foot face containing shaft has 2 ft. deep.	
20.66 20.66	Sur. No. 1211 Marghe No. 27 lode 00.021\$, sulav	
No. 2	A cut, the face of which bears S. 28°30' W., 955 ft. from Cor. No. 3 Rudy No. 6 lode, cut 4.5x9.3x7 foot face, bears easterly. Value, \$50.00	
20.66	Total area Rudy No. 6 lode	
No. 1 85.0 86.0S	The discovery cut of the Rudy No. 5 lode, the face of which being the discovery point is on the lode line 15.0 ft. from its intersection with line 1-4, cut 4x8x10 foot face, bears westerly into	
20.05	Value, \$150.00 shot 8 .04 your sers fator	
No. 1	The discovery cut and shaft of Muroc No. 5 lode, the face of cut	
9.15	being the discovery point is on lode line 135 ft. from its intersection with line 3-4; cut 4x12x5 foot face, containing shaft 4x6x5 ft. deep, cut bears west.	
	Value, \$150.00 : date to line on sera	
No. 7	Rudy No. 2 lede of this survey	
12.0No.1	The discovery shaft of the Rudy No. 8 lode, the center of which being the discovery point is on the lode line 90 ft. from its intersection with line 3-4, shaft 4x6x8 ft. deep.	
20.58	Value, \$150.00 lode 10.00 lode 15.00 Value, World area Rudy No. 3 lode	
	LOCATION	
	This survey is located in the NW and Wa of the NE Se	
1. 12 %	1. 11 N., P. 13 W., and NV., SW., and W. of SE Sec. 31, R. 13 W., of the Gila and Salt Miver Meridian, in the Owe Uistrict, Mohave County, State of Arizona.	
sctive	ill lodes of this survey are identical with their resplications as marked on the ground.	

Charis*	是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个
beautied Lized	The discovery shaft of the Rudy No. 7 lode, the center of which floeing the discovery point is on the lode line 90 ft. from its intersection with line 3-4; shaft 4x6x8 ft. deep. Value, \$150.00
No. 1 fa	The discovery cut and shaft, of the Rudy No. 2 lode, the center of shaft being the discovery point is on the lode line 500 ft. from its intersection with line 3-4; cut 8x20x8 ft. face, containing shaft 4x6x2.5 ft. deep. Value, \$150.00
ede claire so of somical	The discovery shaft of the Rudy Fraction lode, the center of shaft being the discovery point is on the lode line 122 ft. from its intersection with line 3-4; shaft lixóx8 ft. deep. Value, \$150.00
No. 1	The discovery cut of the Muroc No. 7 lode, the face of cut being the discovery point is on the lode line 600 ft. from its intersection with line 1-2; cut 4x13x10 ft. face, bears south. Value, \$150.00
No. 2	A cut, the face of which bears N. 25°15' W., 650 ft. from Cor. No. 1 Muroc No. 7 lode, cut 4x10x8 foot face bears southerly. Value, \$100.00
the son	intersection with line 1-2; shaft 4x6x8 ft. deep. Value, \$150.00
No. 1	The discovery cut of the Rudy No. 3 lode, the face of cut being the discovery point is on the lode line 700 ft. from its intersection with line 4-1; cut hxlhxl0 ft. face, bears northerly. Value, \$150.00
rass caps dye 30 slysnized	An interest in a Common Improvement, classified as such by the grouping of progressively constructed improvements upon the various lodes, will be established as set forth herein. For this report a "Common Improvement development area" is outlined, circumscribing the stripping and pit operations as now in progress, and described by metes and bounds to wit:
ecopoces	Beginning at a point at the most northeasterly corner from which Cor. No. 1 Muroc No. 6 lode bears S. 44° E., 575 ft.; thence S. 2° W., 550 ft.; thence S. 33° 30° W., 575 ft.; thence S. 88° W., 1475 ft.; thence N. 2° E., 1325 ft.; thence N. 49° E., 800 ft.;
location a the	The stripping, blasting, and excavation is progressively changing the circumscribed area in breadth, depth and volume of materials moved while this survey is under execution. It is impossible to set forth the maze of surface workings as no specific dimensions are available, consequently I have resorted to a mass estimate of tonnage excavated and moved, basing my common improvement values thereon. Volume of materials moved 40,000 tons. Value, \$40,000.00 Value of 1/16 interest \$2,500.00
	These improvements are in the course of construction for the development of the 12 lodes of this survey and two lodes (patented) bounded by this survey, all of which are contiguous lode claims owned in common within the range of benefit of said improvement.

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The surface rises gradually toward the north from the most southerly location. The topography is barren rolling hills formed by heavy overburden and deep eresion over low level mineralized bedding planes. Due to the peculiar nature of the district's manganese ore deposits, normally in bedding planes, their development requires the progressive stripping of the overburden and adit pit openings to determine their position, nature, extend and mineral line 3-4; cut 8x20x8 ft. f.tnatno

gasb Ji 3.52 The exploration eventually leads to the selection of a site for an OPEN pit operation. The progress of stripping of the surface overburden and pit excavations throughout the length of the property progressively developed the ore bodies on the respective lode claims and eventually determine mining-methods necessary and locus of operations for extensive pit mining which is the only economical mining method now developed for manganese ore deposits such as found in this mining district and on this property.

Five hundred dollars or over has been expended in these improvements in such a manner as tends to the development of each lode of this survey subsequent to its location and to the time since which common ownership and contiguity have prevailed; therefore an undivided one sixteenth (1/16th) interest in its value is hereby credited to each of said lodes of this survey.

Except as above stated, no portion of oreinterest in these improvements has been credited heretofore as patent expenditure to any lode claim. 1 & drift flags ; 2-1 onil dis no itoes redui

OTHER IMPROVEMENTS

The discovery cut of the Rady No. 3 lode, the face of out being the discovery point is on the lade line 700 ft. from section with line h-l; cut hyller ft. face, beers northerly.

For Unis

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OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

Section and quarter-section corners found in the execution of this survey are monumented with standard iron posts with brass caps properly marked as reported in the official records.

Corners of this survey are 1/2 inch galvanized iron pipe 30 inches long, threaded on one end. To the threaded end a galvanized iron floor flange $3\frac{1}{2}$ inches in diameter was attached. A $3\frac{1}{2}$ inch copper plate was attached to the floor flange by the use of bolts. The designation of the floor floor the use of bolts. The designation of the corners of the clodes were stamped on the copper plates. The corner assumbly thus described was set into the ground 18 inches or as conditions of the formation permitted.

All disagreements existing between the calds of the location certificates and the lodes as surveyed are due to errors in the naterials moved while this survey i estation derings as no specific two stiple to set forth the maxe of surface workings as no specific

Value, \$40,000.00 Value of 1/16 interest \$2,500.00

eam s of betreer evel I wilde FIELD ASSISTANTS are ancientable common variand, beyon has bayed are except to estimate Raymond W. White

. nos Chainmansv Just lune of materials moved 10,000 tons.

These improvements are in the course of construction for the development of the 12 lodes of this survey and two lodes patented bounded by this survey, all of which are continuous lode claims owned in common within the range of benefit of said improvement.

U. S. GOVERNMENT PRINTING OFFICE 16-28520-2

8.1

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

	October 15 , 19_20
J. J. William Waara	
Mineral Surveyor, hereby certify upon honor that in pursua	
	Phoenix, Arizona
dated June 20 and August 17, 1956, I ha	
the mining claim of <u>The Arizona Manganese Corporati</u> Muroc No. 7, Maggie No. 27, Rudy No. 2, Rudy No. known as the Rudy No. 8, Rudy Fraction and Mesa N	on, known as the Muroc No. 5, Muroc No. 6, 3, Rudy No. 5, Rudy No. 6, Rudy No. 7,
situate in Section 31, T. 12 N., R. 13 W., and Sec	tion 6 ,
T. 11 N. , R. 13 W. , G. & S.	R. Meridian, Arizona, and
designated as Survey No, which is represented by me and under my direction, and that said survey the Manual of Instructions for the Survey of the Public Land described in the foregoing field notes, and I do further certification.	resented in the foregoing field notes as having been by has been made in strict conformity with said order, ds of the United States, and in the specific manner by that the labor expended and improvements made
claimant(s) orits grantors are fully seextent, location, and itemized value thereof are specified the portion of, or interest in, said labor and improvements so creof expenditures upon any other claim.	tated in my report therein, and that the character, erein with particularity and full detail, and that no
Prescott, Arizona (Place)	Hoilliam Carra (Mineral Surveyor)
CERTIFICATE OF A	APPROVAL
	Survey Office (Office)
	Phoenix, Arizona March 10, 1958 (Place) (Date)
The foregoing field notes of mineral survey No	(2.1110)
and Sec. 6 , T. 11 N. , R.	13 W., G. & S.R. Meridian,
Arizona , executed by J. William Waar	ra, Mineral Surveyor,
under order dated <u>June 20 and August 17, 1956</u> corrections made prior to their certification by the survey are hereby approved.	, having been critically examined and the necessary or, the field notes and the survey therein described
	Event H. Kimmell
	Everett H. Kimmell Office Cadastral Engineer (Title)
CERTIFICATE OF	TRANSCRIPT
I CERTIFY that the foregoing transcript of field notes on is a true copy of the original field notes.	of the above described mineral survey No

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The state of the s The calcing blaim of I a frigues Henrymeen Corroration, State on I the Corroration of the calcing being the I, state so I, took the I, thereof the I, the calcing the I, the calcing the I are served to the calcing the Corroration and the server of 1984 of the calcing struct in Section 31. S. 12 il. T. 13 W., and Evel. Trescett, Manager T