

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4388

Arizona Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of
Dos Cabezas Mining Co.

Known as the Stutz, Dodge, Pierce Arrow, Packard, Studebaker, Ford, Star, Chevrolet, Buick, Gold Ridge, Gold Ridge No. 1, Juno, Juno No. 1, East Juno, Suspension No. 1, Suspension No. 2, Suspension No. 3, Gracie and Thelma lode claims

Dos Cabezas Mining District,

Cochise County, Arizona

Sections 21, 22 & 27, Township 14 S., Range 27 E., G&SRM

Surveyed under order dated February 23, 1954

by Ralph L. Motz
Mineral Surveyor.

Claims located See back of this page, 19

Survey commenced April 17, 1954

Survey completed May 28, 1954

Address of claimant's attorney, John C. Gung'l
Tucson, Arizona

DATES OF AMENDED LOCATIONS

See back of this page

	<u>Date of Location</u>	<u>Date of Amended Location</u>
Stutz	7-1-24	9-24-46
Dodge	do	do
Pierce Arrow	do	9-20-46
Packard	do	9-21-46
Studebaker	do	do
Ford	do	do
Star	do	9-23-46
Chevrolet	do	9-20-46
Buick	do	1-11-47
Gold Ridge	9-18-14	4-26-47
Gold Ridge No. 1	do	do
Juno	1-3-14	do
Juno No. 1	do	do
East Juno	do	do
Suspension No. 1	6-11-49
Suspension No. 2	do
Suspension No. 3	do
Gracie	do
Thelma	do

Survey No. 4388

This survey was made with a C.L. Berger & Sons Precise transit, with horizontal limb 6.25 ins. diam., having two double opposite verniers, and full vertical circle 5 ins. diam., having one double vernier; the verniers read to one minute of arc; the eye-piece is equipped with a colored glass slide in a prismatic eye-piece 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:

April 17, 1954, at Cor. No. 4 of the Chevrolet lode, in latitude $32^{\circ} 11' N.$, and longitude $109^{\circ} 35' W.$, I made a series of eight altitude observations upon the sun for azimuth at approximately equal time intervals, four each with the telescope in direct and reversed positions, observing opposite limbs of the sun, and reading the horizontal angle from Cor. No. 1 of the Chevrolet lode southeast to the sun.

Mean time of observation, 10⁵⁵h
 meridian standard time - - - - - 9h 00^m a.m.
 Declination of the sun at mean
 time of observation - - - - - $11^{\circ} 8' 39.5'' N.$
 Mean observed vertical angle to
 sun's center - - - - - $40^{\circ} 08'$
 Mean horizontal angle from
 reference point to sun's center - $82^{\circ} 08' 30'' S-E$
 True bearing to reference point- $N. 21^{\circ} 15' E.$

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. 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 $13^{\circ} 30'$ East.

CHEVROLET LODE

Feet	Beginning at Cor. No. 1 of the Chevrolet lode, identical with Cor. No. 1 of the Pierce Arrow lode of this survey.
	An iron pipe, $1\frac{1}{2}$ ins. diam., 30 ins. long, set 10 ins. in the ground, in a mound of rocks, with brass cap, mkd. C-1-PA-1-4388; from which
	The south $\frac{1}{4}$ corner of sec. 22, T. 14 S., R. 27 E., G. & S.R.M., bears $N. 45^{\circ} 16' W.$, 241.5 ft. dist.; being an iron pipe with brass cap, firmly set and marked as described in the official record.
	Thence $S. 68^{\circ} 35' E.$
53.7	Cor. No. 1 of the Stutz lode of this survey.
300.0	Lode line; discovery point bears $S. 21^{\circ} 15' W.$, 1148 ft.
600.0	Cor. No. 2.
	Set an iron pipe, $1\frac{1}{2}$ ins. diam., 30 ins. long, 10 ins. in the ground in a mound of rocks, with brass cap mkd. C-2-4388.
	Thence $S. 21^{\circ} 15' W.$
428.	Power line, bears $S. 68^{\circ} W.$, and $N. 68^{\circ} E.$

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Feet	
730.0	Bean Canyon, 30 ft. wide, course S. 59° W.
805.0	Road, bears S. 62° W., and N. 62° E.
1498.0	Cor. No. 3. Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, with brass cap mkd. C-3-4388. Thence N. 68° 35' W.
300.0	Lode line; discovery point bears N. 21° 15' E., 350 ft.
510.0	Road, bears S. 53° 30' W., and N. 53° 30' E.
600.0	Cor. No. 4, identical with Cor. No. 2 of the Pierce Arrow lode of this survey. Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, in a mound of rocks, with brass cap mkd. C-4-PA-2-4388; from which A diorite rock in place, 15 x 24 ins., 5 ins. above ground, bears S. 52° 02' E., 49.9 ft., mkd. BO x C-4-4388. A diorite rock in place, 20 x 36 ins., 5 ins. above ground, bears N. 55° 26' E., 58.5 ft., mkd. BO x C-4-4388. Thence N. 21° 15' E.
170.0	Bean Canyon, 30 ft. wide, course S. 51° 30' W.
500.	Power line, bears S. 68° W., and N. 68° E.
1479.8	Intersect line 1-2 of the Stutz lode of this survey.
1498.0	Cor. No. 1, and place of beginning.
PIERCE ARROW LODGE	
	Beginning at Cor. No. 1 of the Pierce Arrow lode, identical with Cor. No. 1 of the Chevrolet lode of this survey. Thence S. 21° 15' W.
18.2	Intersect line 1-2 of the Stutz lode of this survey.
998.0	Power line.
1328.0	Bean Canyon.
1498.0	Cor. No. 2, identical with Cor. No. 4 of the Chevrolet lode of this survey. Thence N. 68° 35' W.
92.0	Bean Canyon, 30 ft. wide, course S. 47° W.
115.0	Power line, course N. 33° 30' E., and S. 33° 30' W.
171.0	Road, bears N. 43° 30' E., and S. 43° 30' W.
300.0	Lode line; discovery point bears N. 21° 15' E., 562 ft.

Feet 600.0	Cor. No. 3. Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground in a mound of rocks, with brass cap mkd. PA-3-4388. Thence N. 21° 15' E.
650.2	Cor. No. 2 of the Buick lode of this survey.
1277.0	Intersect line 1-2 of the Stutz lode of this survey.
1498.0	Cor. No. 4. Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground in a mound of rocks, with brass cap mkd. PA-4-4388. Thence S. 68° 35' E.
300.0	Lode line; discovery point bears S. 21° 15' W., 936 ft.
600.0	Cor. No. 1, and place of beginning.
BUICK LODE	
	Beginning at Cor. No. 1 of the Buick lode, situated on line 1-2 of the Stutz lode of this survey and line 3-4 of the Pierce Arrow lode of this survey. Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 8 ins. in the ground in a mound of rocks, with brass cap mkd. B-1-4388; from which The North 1/4 corner of sec. 27, T. 14 S., R. 27 E., G. & S.R.M. bears N. 70° 53' E., 478.8 ft. dist., being an iron pipe with brass cap, firmly set and marked as described in the official survey. Thence S. 21° 15' W.
313.4	Lode line; discovery point bears N. 85° 42' W., 680 ft.
626.8	Cor. No. 2, situated on line 3-4 of the Pierce Arrow lode of this survey. Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground in a mound of rocks, with brass cap mkd. B-2-4388; from which A diorite rock in place, 36 x 42 ins., 37 ins. above ground, bears N. 21° 15' E., 2.9 ft., mkd. B0 x B-2-4388. Thence N. 85° 42' W.
1500.0	Cor. No. 3. Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground in a mound of rocks, with brass cap mkd. B-3-4388. Thence N. 21° 15' E.
313.4	Lode line; discovery point bears S. 85° 42' E., 820 ft.
626.8	Cor. No. 4, situated on line 4-1 of the Star lode of this survey. Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground in a mound of rocks, with brass cap mkd. B-4-4388. Thence S. 83° 49' E.

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Feet	
690.0	<p>Cor. No. 5, identical with Cor. No. 4 of the Star lode of this survey, and Cor. No. 2 of the Stutz lode of this survey.</p> <p>Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 12 ins. in the ground in a mound of rocks, with brass cap mkd. B-5-S-4-S-2-4388.</p> <p>Thence S. 87° 17' E.</p>
810.5	<p>Cor. No. 1, and place of the beginning.</p>
STUTZ LODE	
	<p>Beginning at Cor. No. 1 of the Stutz lode, situated on line 1-2 of the Chevrolet lode of this survey.</p> <p>Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground in a mound of rocks, with brass cap mkd. S-1-4388; from which</p> <p>The south $\frac{1}{4}$ corner of sec. 22, T. 14 S., R. 27 E., G. & S.R.M., bears N. 49° 27' W., 291.6 ft. dist., previously described.</p> <p>Thence N. 87° 17' W.</p>
56.6	<p>Intersect line 4-1 of the Chevrolet lode of this survey and line 1-2 of the Pierce Arrow lode of this survey.</p>
689.5	<p>Cor. No. 1 of the Buick lode of this survey and intersect line 3-4 of the Pierce Arrow lode of this survey.</p>
1500.0	<p>Cor. No. 2, identical with Cor. No. 5 of the Buick lode of this survey, and Cor. No. 4 Star lode of this survey.</p> <p>Thence N. 9° 08' E.</p>
300.0	<p>Lode line; discovery point bears S. 87° 17' E., 1460 ft.</p>
490.0	<p>Road, bears S. 47° 30' E., and N. 47° 30' W.</p>
600.0	<p>Cor. No. 3, identical with Cor. No. 3 of the Star lode of this survey and situated on line 1-2 of the Ford lode of this survey.</p> <p>Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground in a mound of rocks, with brass cap mkd. S-3-S-3-4388; from which</p> <p>A shale rock in place, 20 x 63 ins., 10 ins. above ground, bears S. 66° 08' E., 3.4 ft., mkd. BO x S-3-4388.</p> <p>Thence S. 87° 10' E.</p>
992.9	<p>Intersect line 4-1 of the Ford lode of this survey and line 1-2 of the Dodge lode of this survey.</p>
1499.7	<p>Cor. No. 4.</p> <p>Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground in a mound of rocks, with brass cap mkd. S-4-4388.</p> <p>Thence S. 9° 08' W.</p>
59.0	<p>Intersect line 4-1 of the Dodge lode of this survey.</p>
297.0	<p>Lode line; discovery point bears N. 87° 17' W., 40 ft.</p>
597.0	<p>Cor. No. 1, and place of beginning.</p>

Survey No. 4388

Feet

STAR LODE

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

Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground in a mound of rocks, with brass cap mkd. S-1-4388; from which

The corner of secs. 27 and 28, T. 14 S., R. 27 E., G. & S.R.M. bears S. 53° 58' E., 123.6 ft. dist., being an iron pipe with brass cap, firmly set and marked, as described in the official records.

A diorite rock in place, 13 x 42 ins., 30 ins. above ground, bears N. 78° 25' E., 7.3 ft., mkd. B0 x S-1-4388.

Thence N. 9° 08' E.

300.0 Lode line; discovery point bears S. 83° 49' E., 1300 ft.

600.0 Cor. No. 2, situated on line 4-1 of the Gold Ridge No. 1 lode of this survey.

Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground in a mound of rocks with brass cap mkd. S-2-4388.

Thence S. 83° 49' E.

1000.0 Cor. No. 4 of the Gold Ridge No. 1 lode of this survey and Cor. No. 2 of the Ford lode of this survey.

1280.0 Road, bears N. 40° E., and S. 40° W.

1500.0 Cor. No. 3, identical with Cor. No. 3 of the Stutz lode of this survey.

Thence S. 9° 08' W.

110.0 Road.

300.0 Lode line; discovery point bears N. 83° 49' W., 200 ft.

600.0 Cor. No. 4, identical with Cor. No. 5 of the Buick lode of this survey, and Cor. No. 2 Stutz lode of this survey.

Thence N. 83° 49' W.

690.0 Cor. No. 4 of the Buick lode of this survey.

1500.0 Cor. No. 1, and place of beginning.

DODGE LODE

Beginning at Cor. No. 1 of the Dodge lode, identical with Cor. No. 1 of the Ford lode of this survey.

Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 8 ins. in the ground, in a mound of rocks, with brass cap mkd. D-1-F-1-4388; from which

The north $\frac{1}{4}$ corner of sec. 27, T. 14 S., R. 27 E., G. & S.R.M. bears S. 24° 14' E., 404.9 ft. dist., previously described.

Thence N. 2° 26' W.

58.7 Intersect line 3-4 of the Stutz lode of this survey.

300.0 Lode line; discovery point bears S. 87° 09' E., 1111.3 ft.

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Feet	
471.8	<p>Cor. No. 2, identical with Cor. No. 4 of the Ford lode of this survey.</p> <p>Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, in a mound of recks, with brass cap mkd. D-2-F-4-4388.</p> <p>Thence N. 86° 27' E.</p>
1050.0	Gulch, course S. 63° E.
1146.8	<p>Cor. No. 3.</p> <p>Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, in a mound of rocks, with brass cap mkd. D-3-4388.</p> <p>Thence S. 2° 26' E.</p>
50.0	Gulch, course S. 63° E.
300.0	Lode lines; discovery point bears N. 87° 09' W., 40 ft.
370.0	Gulch, course S. 79° E.
600.0	<p>Cor. No. 4.</p> <p>Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, in a mound of rocks, with brass cap mkd. D-4-4388.</p> <p>Thence N. 87° 09' W.</p>
656.3	Intersect line 4-1 of the Stutz lode of this survey.
1151.3	Corner No. 1, and place of beginning.
FORD LODGE	
<p>Beginning at Cor. No. 1 of the Ford lode, identical with Cor. No. 1 of the Dodge lode of this survey.</p> <p>Thence N. 83° 49' W.</p>	
1000.0	Cor. No. 3 of the Stutz lode of this survey and Cor. No. 3 of the Star lode of this survey.
1220.0	Road.
1500.0	<p>Cor. No. 2, identical with Cor. No. 4 of the Gold Ridge No. 1 lode of this survey.</p> <p>Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, in a mound of rocks, with brass cap mkd. F-2-GR1-4-4388.</p> <p>Thence N. 2° 26' W.</p>
300.0	Lode line; discovery point bears S. 83° 49' E., 1450 ft.
600.0	<p>Cor. No. 3, identical with Cor. No. 3 of the Gold Ridge No. 1 lode, Cor. No. 3 of the East Juno lode and Cor. No. 2 of the Packard lode, all of this survey.</p> <p>Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, in a mound of rock, with brass cap mkd. F-3-GR1-3-EJ-3-P-2-4388.</p>

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Feet	
	Thence S. 79° 03' E.
1200.4	Intersect line 4-1 of the Packard lode of this survey and the west end line of the Arizona No. 1 lode, unsurveyed.
1524.4	Cor. No. 4, identical with Cor. No. 2 of the Dodge lode of this survey. The southwest corner of the Arizona No. 1 lode, unsurveyed, bears S. 86° 27' W., 315.3 ft. Thence S. 2° 26' E.
171.8	Lode line; discovery point bears N. 83° 49' W., 50 ft.
413.1	Intersect line 3-4 Stutz lode of this survey.
471.8	Cor. No. 1, and place of beginning.
PACKARD LODGE	
	Beginning at Cor. No. 1 of the Packard lode. Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 8 ins. in the ground, in a mound of rocks, with brass cap mkd. P-1-43 88; from which The north $\frac{1}{4}$ corner of sec. 27, T. 14 S., R. 27 E., G. & S.R.M. bears S. 31° 48' E., 962.6 ft. dist., previously described. Thence N. 75° 21' W.
1221.8	Cor. No. 2, identical with Cor. No. 3 of the Ford lode of this survey and cors. Nos. 3 of the East Juno and Gold Ridge No. 1 lodes of this survey. Thence N. 2° 26' W.
300.0	Lode line; discovery point bears S. 75° 21' E., 636.8 ft.
600.0	Cor. No. 3, identical with Cor. No. 2 of the East Juno lode, Cor. No. 3 of the Juno No. 1 lode and Cor. No. 4 of the Studebaker lode, all of this survey. Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, in a mound of rocks, with brass cap mkd. P-3-EJ-2-J1-3-S-4-4388. Thence S. 75° 21' E.
1221.8	Cor. No. 4, identical with Cor. No. 3 of the Studebaker lode of this survey. Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, in a mound of rocks, with brass cap mkd. P-4-S-3-4388. Thence S. 2° 26' E.
300.0	Lode line; discovery point bears N. 75° 21' W., 585 ft.
518.85	Intersect line 3-4 of the Ford lode of this survey.
600.0	Cor. No. 1, and place of beginning.

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Feet

STUDEBAKER LODE

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

Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, in a mound of rocks, with brass cap mkd. S-1-4388; from which

The $\frac{1}{4}$ corner of secs. 21 and 22, T. 14 S., R. 27 E., G. & S.R.M. bears N. 74° 50' W., 913.6 ft. dist.; being an iron pipe with brass cap, firmly set and marked as described in the official record.

Thence S. 75° 21' E.

1221.8 Cor. No. 2.

Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, in a mound of rocks, with brass cap mkd. S-2-4388.

Thence S. 2° 26' E.

313.8 Lode line; discovery point bears N. 75° 21' W., 50 ft.

627.6 Cor. No. 3, identical with Cor. No. 4 of the Packard lode of this survey.

Thence N. 75° 21' W.

1221.8 Cor. No. 4, identical with Cor. No. 3 of the Packard lode of this survey, Cor. No. 2 East Juno and Cor. No. 3 Juno No. 1 lodes of this survey.

Thence N. 2° 26' W.

313.8 Lode line; discovery point bears S. 75° 21' E., 1171.8 ft.

606.8 Cor. No. 2 of the Juno No. 1 lode of this survey

627.6 Cor. No. 1, the place of beginning.

GOLD RIDGE NO. 1 LODE

Beginning at Cor. No. 1 of the Gold Ridge No. 1 lode.

Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, in a mound of rocks, with brass cap mkd. GR1-1-4388; from which

The corner of secs. 27 and 28, T. 14 S., R. 27 E., G. & S.R.M., bears S. 34° 40' E., 873.7 ft. dist., previously described.

Thence N. 2° 26' W.

300.0 Lode line; discovery point bears S. 83° 49' E., 400 ft.

600.0 Cor. No. 2, identical with Cor. No. 4 of the Gold Ridge lode of this survey and situated on line 2-3 of the Juno lode of this survey.

Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, in a mound of rocks, with brass cap mkd. GR1-2-GR-4-4388; from which

A diorite rock in place, 19 x 20 ins., 21 ins. above ground, bears N. 5° 03' W., 14.7 ft., mkd. BO x GR1-2-4388.

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Feet	
	Thence S. 83° 49' E.
286.6	Cor. No. 2 of the Juno lode and Cor. No. 4 of the East Juno lode, both of this survey.
1495.2	Cor. No. 3, identical with Cor. No. 3 of the Ford lode of this survey, Cor. No. 2 of the Packard, and Cor. No. 3 of East Juno lodes of this survey.
	Thence S. 2° 26' E.
300.0	Lode line; discovery point bears N. 83° 49' W., 1095.2 ft.
600.0	Cor. No. 4, identical with Cor. No. 2 of the Ford lode of this survey.
	Thence N. 83° 49' W.
1000.0	Cor. No. 2 of the Star lode of this survey.
1495.2	Cor. No. 1, and place of beginning.
<hr/> EAST JUNO LODE <hr/>	
	Beginning at Cor. No. 1 of the East Juno lode, situated on line 3-4 of the Juno No. 1 lode of this survey and line 4-1 of the Juno lode of this survey.
	Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, in a mound of rocks, with brass cap mkd. J1-1-4388; from which
	The $\frac{1}{4}$ corner of secs. 21 and 22, T. 14 S., R. 27 E., G. & S.R.M. bears N. 21° 38' 30" E., 792.1 ft. dist., previously described.
	Thence S. 83° 49' E.
228.3	Cor. No. 1 of the Juno lode of this survey.
1208.6	Cor. No. 2, identical with Cor. No. 3 of the Packard lode of this survey, Cor. No. 4 Studebaker and Cor. No. 3 Juno No. 1 lodes of this survey.
	Thence S. 2° 26' E.
300.0	Lode line; discovery point bears N. 83° 49' W., 50 ft.
600.0	Cor. No. 3, identical with Cor. No. 3 of the Ford lode of this survey, Cor. No. 2 Packard and Cor. No. 3 Gold Ridge No. 1 lodes of this survey.
	Thence N. 83° 49' W.
1208.6	Cor. No. 4, identical with Cor. No. 2 of the Juno lode of this survey.
	Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 8 ins. in the ground, in a mound of rocks, with brass cap mkd. EJ-4-J-2-4388.
	Thence N. 2° 26' W.
300.0	Lode line; discovery point bears S. 83° 49' E., 1158.6 ft.
600.0	Cor. No. 1, and place of beginning.

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Feet	JUNO LODE
	<p>Beginning at Cor. No. 1 of the Juno lode, situated on line 1-2 of the East Juno lode of this survey and line 3-4 of the Juno No. 1 lode of this survey.</p> <p>Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, in a mound of rocks, with brass cap mkd. J-1-4388; from which</p> <p>The $\frac{1}{4}$ corner between secs. 21 and 22, T. 14 S., R. 27 E., G. & S.R.M., bears N. 4° 53' 30" E., 763.6 ft. dist., previously described.</p> <p>Thence S. 19° 19' W.</p>
304.6	Lode line; discovery point bears N. 83° 49' W., 10 ft.
609.2	Cor. No. 2, identical with Cor. No. 4 of the East Juno lode of this survey.
	Thence N. 83° 49' W.
286.6	Cor. No. 2 of the Gold Ridge No. 1 lode of this survey, and Cor. No. 4 of the Gold Ridge lode of this survey.
524.2	Cor. No. 3, situated on line 2-3 of Mineral Survey No. 1554 Ewell Spring lode.
	<p>Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, in a mound of rocks, with brass cap mkd. J-3-4388; from which</p> <p>Cor. No. 3 of Survey No. 1554 Ewell Spring lode, bears S. 19° 19' W., 60.2 ft.</p> <p>Thence N. 19° 19' E.</p>
50.4	Intersect line 3-4 of the Gold Ridge lode of this survey.
304.6	Lode line; discovery point bears S. 83° 49' E., 514.2 ft.
541.8	Cor. No. 2 of Survey No. 1554 Ewell Spring.
609.2	Cor. No. 4.
	<p>Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, in a mound of rocks, with brass cap mkd. J-4-4388; from which</p> <p>A quartzite rock in place, 5 x 19 ins., 16 ins. above ground, bears N. 11° 58' E., 27.8 ft., mkd. BO x J-4-4388.</p> <p>A quartzite ledge, 24 x 72 ins., 49 ins. above ground, bears S. 19° 35' E., 28.6 ft., mkd. BO x J-4-4388.</p> <p>Thence S. 83° 49' E.</p>
4.5	Cor. No. 4 of the Juno No. 1 lode of this survey.
295.9	Cor. No. 1 of the East Juno lode of this survey.
524.2	Cor. No. 1, and place of beginning.

Survey No. 4388

Feet	JUNO NO. 1 LODE
	<p>Beginning at Cor. No. 1 of the Juno No. 1 lode.</p> <p>Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 9 ins. in the ground, in a mound of rocks, with brass cap mkd. J1-1-4388; from which</p> <p>The $\frac{1}{4}$ corner between sections 21 and 22, T. 14 S., R. 27 E., G. & S.R.M., bears N. 80° 48' E., 616.5 ft. dist., previously described.</p> <p>Cor. No. 1 of Survey No. 2970 Midnight lode, bears S. 18° 29' E., 540.6 ft.</p> <p style="text-align: center;">Thence S. 83° 49' E.</p>
515.7	Intersect line 4-1 of Survey No. 2970 Midnight lode, at a point from which Cor. No. 1 bears S. 36° 45' W., 570.5 ft.
1500.0	<p>Cor. No. 2, situated on line 4-1 of the Studebaker lode of this survey.</p> <p>Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, in a mound of rocks, with brass cap mkd. J1-2-4388.</p> <p style="text-align: center;">Thence S. 2° 26' E.</p>
303.4	Lode line; discovery point bears N. 83° 49' W., 1045 ft.
606.8	<p>Cor. No. 3, identical with Cor. No. 3 of the Packard lode of this survey, Cor. No. 4 Studebaker, and Cor. No. 2 East Juno lodes of this survey.</p> <p style="text-align: center;">Thence N. 83° 49' W.</p>
980.3	Cor. No. 1 of the Juno lode of this survey.
1208.6	Cor. No. 1 of the East Juno lode of this survey.
1500.0	<p>Cor. No. 4.</p> <p>Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, in a mound of rocks, with brass cap mkd. J1-4-4388.</p> <p style="text-align: center;">Thence N. 2° 26' W.</p>
242.4	Intersect line 1-2 of Survey No. 2970 Midnight lode at a point from which Cor. No. 1 bears S. 46° 22' E., 215.4 ft.
303.4	Lode line; discovery point bears S. 83° 49' E., 455 ft.
606.8	Cor. No. 1, and place of beginning.
	GOLD RIDGE LODE
	<p>Beginning at Cor. No. 1 of the Gold Ridge lode.</p> <p>Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, in a mound of rocks, with brass cap mkd. GR-1-4388; from which</p> <p>The corner of secs. 27 and 28, T. 14 S., R. 27 E., G. & S.R.M., bears S. 36° 12' E., 838.5 ft. dist., previously described.</p> <p style="text-align: center;">Thence N. 71° 34' W.</p>

Survey No. 4388

Feet	
1344.4	<p>Cor. No. 2</p> <p>Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, in a mound of rocks, with brass cap mkd. GR-2-4388.</p> <p>Thence N. 2° 26' W.</p>
321.0	Lode line; discovery point bears S. 71° 34' E., 1044.4 ft.
622.73	Intersect line 2-3 of the Suspension No. 1 lode of this survey.
642.0	<p>Cor. No. 3, identical with Cor. No. 4 of Survey No. 1554 Ewell Spring lode.</p> <p>Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, in a mound of rocks, mkd. ES-4-1554-GR-3-4388.</p> <p>Thence S. 71° 34' E.</p>
193.4	Intersect line 1-2 of the Suspension No. 1 lode of this survey.
1113.0	Intersect line 2-3 of Survey No. 1554 Ewell Spring at a point from which Cor. No. 3 bears S. 19° 19' W., 110.6 ft.; also intersect line 3-4 of the Juno lode of this survey.
1344.4	<p>Cor. No. 4, identical with Cor. No. 2 of the Gold Ridge No. 1 lode of this survey.</p> <p>Cor. No. 3 of Survey No. 1554 Ewell Spring lode, bears S. 83° 00' W., 258.1 ft.</p> <p>Thence S. 2° 26' E.</p>
321.0	Lode line; discovery point bears N. 71° 34' W., 300 ft.
600.0	Cor. No. 1 of the Gold Ridge No. 1 lode of this survey.
642.0	Cor. No. 1, and place of beginning.

SUSPENSION NO. 1 LODE

Beginning at Cor. No. 1 of the Suspension No. 1 lode, identical with Cor. No. 1 of Survey No. 1554 Ewell Spring lode.

Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, in a mound of rocks, with brass cap mkd. ES-1-1554 and S1-1-4388; from which

The $\frac{1}{4}$ corner between secs. 21 and 22, T. 14 S., R. 27 E., G. & S.R.M. bears N. 77° 47' 30" E., 1671.2 ft., previously described.

Cor. No. 5 of Survey No. 1554 Ewell Spring lode bears S. 22° 27' W., 250.7 ft.

Cor. No. 1 Sur. No. 2972 Steamboat lode, bears N. 73° 57' W., 294.10 ft.

The intersection of line 5-1 of Survey No. 1554 Ewell Spring lode and line 4-1 of Survey No. 2972 Steamboat lode, bears S. 22° 27' W., 15.24 ft.

Survey No. 4388

Feet	
	Thence S. 1° 00' W.
16.0	Intersect line 4-1 of Survey No. 2972 Steamboat lode at a point from which Cor. No. 1 bears N. 70° 59' W., 298.66 ft.
298.5	Lode line; discovery point bears N. 71° 04' W., 956.9 ft.
518.0	Gulch, 30 ft. wide, course N. 74° W.
577.6	Intersect line 3-4 of the Gold Ridge lode of this survey.
598.5	Cor. No. 2, situated on line 3-4 of Survey No. 1554 Ewell Spring lode. Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 9 ins. in the ground, in a mound of rock, mkd. Sl-2-4388; from which Cor. No. 4 of Survey No. 1554 Ewell Spring lode, bears N. 65° 52' W., 200.6 ft. Cor. No. 5 of Survey No. 1554 Ewell Spring lode, bears N. 18° 57' E., 301 ft. from Cor. No. 4 thereof.
	Thence N. 71° 04' W.
192.7	Intersect line 2-3 of the Gold Ridge lode of this survey.
466.9	Northeast corner of the North Star lode, unsurveyed.
520.0	Gulch, 30 ft. wide, course S. 63° W.
565.0	Road, bears N. 16° E., and S. 16° W.
600.0	Gulch, 30 ft. wide, course S. 40° E.
1066.9	Cor. No. 3, identical with Cor. No. 2 of the Thelma lode, and Cor. No. 3 of the Gracie lode, both of this survey and the northwest corner of the North Star lode, unsurveyed. Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, in a mound of rocks, with brass cap mkd. Sl-3-T-2-G-3-4388.
	Thence N. 1° 00' E.
300.0	Lode line; discovery point bears S. 71° 04' E., 110 ft.
600.0	Cor. No. 4, identical with Cor. No. 2 of the Gracie lode of this survey and situated on line 4-1 of the Suspension No. 2 lode of this survey. Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, in a mound of rock, with brass cap mkd. Sl-4-G-2-4388.
	Thence S. 71° 00' E.
513.0	Gulch, 30 ft. wide, course S. 27° W.
620.0	Road, bears N. 36° E., and S. 36° W.
768.7	Intersect line 1-2 of Survey No. 2972 Steamboat lode at a point from which Cor. No. 1 bears S. 1° 00' W., 15.9 ft.
1067.3	Cor. No. 1, and place of beginning.

Survey No. 4388

Feet	SUSPENSION NO. 2 LODE
	Beginning at Cor. No. 1 of the Suspension No. 2 lode, identical with Cor. No. 1 of the Gracie lode of this survey.
	Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, in a mound of rocks, with brass cap mkd. S2-1-G-1-4388; from which
	The $\frac{1}{4}$ corner between sections 20 and 21, T. 14 S., R. 27 E., G. & S.R.M., bears N. 89° 49' W., 1250.5 ft. dist.; being an iron pipe with brass cap, firmly set and marked as described in the official record.
	Thence N. 1° 00' E.
300.0	Lode line; discovery point bears S. 89° 00' E., 720 ft.
600.0	Cor. No. 2.
	Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, in a mound of rocks, with brass cap mkd. S2-2-4388.
	Thence S. 89° 00' E.
1500.0	Cor. No. 3, situated on line 1-2 of Survey No. 2821 Star Mine No. 2 lode.
	Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, in a mound of rocks, with brass cap mkd. S2-3-4388.
	Thence S. 1° 00' W.
300.0	Lode line; discovery point bears N. 89° 00' W., 780 ft.
600.0	Cor. No. 4, identical with Cor. No. 1 of Survey No. 2821 Star Mine No. 2 lode.
	Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, in a mound of rocks, with brass cap mkd. SM2-1-2821 and S2-4-4388.
	Thence N. 89° 00' W.
131.0	Cor. No. 4 of the Suspension No. 1 lode and Cor. No. 2 of the Gracie lode, of this survey.
1500.0	Cor. No. 1, and place of beginning.
	GRACIE LODE
	Beginning at Cor. No. 1 of the Gracie lode, identical with Cor. No. 1 of the Suspension No. 2 lode of this survey.
	Thence S. 89° 00' E.
1369.0	Cor. No. 2, identical with Cor. No. 4 of the Suspension No. 1 lode of this survey.
	Thence S. 1° 00' W.
300.0	Lode line; discovery point bears N. 89° 00' W., 610 ft.
600.0	Cor. No. 3, identical with Cor. No. 3 of the Suspension No. 1 lode of this survey, and Cor. No. 2 Thelma lode of this survey.

Survey No. 4388

Feet	
	Thence N. 89° 00' W.
1369.0	Cor. No. 4, identical with Cor. No. 1 of the Thelma lode of this survey.
	Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, in a mound of rocks, with brass cap mkd. G-4-T-1-4388.
	Thence N. 1° 00' E.
300.0	Lode line; discovery point bears S. 89° 00' E., 759 ft.
600.0	Cor. No. 1, and place of beginning.
	THELMA LODGE
	Beginning at Cor. No. 1 of the Thelma lode, identical with Cor. No. 4 of the Gracie lode of this survey; from which
	The $\frac{1}{4}$ corner between sections 20 and 21, T. 14 S., R. 27 E., G. & S.R.M., bears N. 64° 03' 30" W., 1379 ft., previously described.
	Thence S. 89° 00' E.
1369.0	Cor. No. 2, identical with Cor. No. 3 of the Suspension No. 1 lode of this survey, and Cor. No. 3 Gracie lode of this survey.
	Thence S. 1° 00' W.
300.0	Lode line; discovery point bears N. 89° 00' W., 769 ft.
600.0	Cor. No. 3.
	Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, in a mound of rocks, with brass cap mkd. T-3-4388.
	Thence N. 89° 00' W.
259.0	Cor. No. 4 of the Suspension No. 3 lode of this survey and intersect the west side line of the North Star lode, unsurveyed, at a point from which the northwest corner bears N. 24° 21' E., 653.5 ft.
1369.0	Cor. No. 4, identical with Cor. No. 3 of the Suspension No. 3 lode of this survey.
	Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, in a mound of rocks, with brass cap mkd. T-4-S3-3-4388.
	Thence N. 1° 00' E.
300.0	Lode line; discovery point bears S. 89° 00' E., 600 ft.
600.0	Cor. No. 1, and place of beginning.
	SUSPENSION NO. 3 LODGE
	Beginning at Cor. No. 1 of the Suspension No. 3 lode.
	Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, in a mound of rocks, with brass cap mkd. S3-1-4388; from which
	The north $\frac{1}{4}$ corner of sec. 28, T. 14 S., R. 27 E., G. & S.R.M., bears S. 12° 09' E., 1221.3 ft. dist., being an iron pipe with

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16-07301-1

Feet	
	brass cap, firmly set and marked as described in the official record.
	Thence N. 88° 29' W.
94.6	Intersect the west side line of the North Star lode, unsurveyed, at a point from which the northwest corner bears N. 24° 21' E., 892.2 ft.
1110.0	Cor. No. 2. Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, in a mound of rocks, with brass cap mkd. S3-2-4388.
	Thence N. 1° 00' E.
110.0	Lode line; discovery point bears S. 89° 00' E., 160 ft.
210.0	Cor. No. 3, identical with Cor. No. 4 of the Thelma lode of this survey.
	Thence S. 89° 00' E.
1110.0	Cor. No. 4, situated on the west side line of the North Star lode, unsurveyed. Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 10 ins. in the ground, in a mound of rocks, with brass cap mkd. S3-4-4388.
	Thence S. 1° 00' W.
100.0	Lode line; discovery point bears N. 89° 00' W., 950 ft.
220.0	Cor. No. 1, and place of beginning.

AREAS

	Acres
Total area, Chevrolet lode - - - - -	20.634
Total area, Pierce Arrow lode - - - - -	20.634
Total area, Stutz lode - - - - -	20.481
Area in conflict with	
Chevrolet lode of this survey - - - - -	0.011
Pierce Arrow lode of this survey - - - - -	1.647
Ford lode of this survey - - - - -	0.666
Dodge lode of this survey - - - - -	0.673
Total area, Buick lode - - - - -	20.257
Total area, Star lode - - - - -	20.634
Total area, Ford lode - - - - -	18.246
Area in conflict with	
Arizona No. 1 lode, unsurveyed - - - - -	0.294
Total area, Dodge lode - - - - -	14.105
Total area, Packard lode - - - - -	16.087
Area in conflict with	
Ford lode of this survey - - - - -	1.088
Total area, Studebaker lode - - - - -	16.827
Total area, Gold Ridge No. 1 lode - - - - -	20.363
Total area, East Juno lode - - - - -	16.459
Area in conflict with	
Juno lode of this survey - - - - -	1.554
Total area, Juno lode - - - - -	7.139

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AREAS - Continued		Acres
Total area, Juno No. 1 lode - - - - -		20.659
Area in conflict with		
Sur. No. 2970 Midnight lode - - - - -		3.533
Total area, Gold Ridge lode - - - - -		18.515
Area in conflict with		
Sur. No. 1554 Ewell Spring lode - - - - -		1.417
Juno lode of this survey - - - - -		0.134
Total area, Suspension No. 1 lode - - - - -		13.967
Area in conflict with		
Sur. No. 1554 Ewell Spring lode - - - - -		1.321
Sur. No. 2972 Steamboat lode - - - - -		0.103
Sur. No. 2972 Steamboat lode exclusive of its		
conflict with Sur. No. 1554 Ewell Spring lode - - - - -		0.102
Gold Ridge lode of this survey - - - - -		0.084
Gold Ridge lode of this survey exclusive of its		
conflict with Sur. No. 1554 Ewell Spring lode - - - - -		0.040
Total area, Suspension No. 2 lode - - - - -		20.661
Total area, Gracie lode - - - - -		18.857
Total area, Thelma lode - - - - -		18.857
Area in conflict with		
North Star lode, unsurveyed - - - - -		1.784
Total area, Suspension No. 3 lode - - - - -		5.479
Area in conflict with		
North Star lode, unsurveyed - - - - -		0.239

LOCATION

This survey is located in the SW $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$ and NE $\frac{1}{4}$ sec. 21; S $\frac{1}{2}$ sec. 22; N $\frac{1}{2}$ sec. 27 of T. 14 S., R. 27 E., Gila and Salt River Meridian, Cochise County, Arizona.

The survey of all lodes in this survey is within or identical with the respective locations, or amended locations, as marked on the ground.

EXPENDITURES

The improvements and the value of the labor and improvements made upon or for the benefit of each of the lode locations embraced in said mining claim by the claimant or its grantors are as follows:-

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|-------|--|
| No. 1 | The discovery point of the Chevrolet lode, being on the lode line 350 ft. from a point on line 3-4, 300 ft. from Cor. No. 3.
No value. |
| No. 2 | An open cut, the mouth of which bears N. 8° 35' W., 478 ft. from Cor. No. 3 of the Chevrolet lode; 4 ft. wide, 8 ft. face, running south 25 ft. to face.
Value \$100. |
| No. 3 | An open cut, the mouth of which bears N. 64° E., 440 ft. from Cor. No. 4 of the Chevrolet lode; 4 ft. wide, 8 ft. face, running S. 60° E., 23 ft. to face.
Value \$100. |
| No. 1 | The discovery cut of the Pierce Arrow lode, the face of which being the discovery point is on the lode line 562 ft. from a point on line 2-3, 300 ft. from Cor. No. 2; 4 ft. wide, 10 ft. face, runs N. 10° W., 33 ft.
Value \$200. |
| No. 1 | The discovery point of the Buick lode, being on the lode line 680 ft. from a point on line 1-2, 313.4 ft. from Cor. No. 1.
No value. |

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| No. 2 | An open cut, the mouth of which bears S. 84° 05' W., 662 ft. from Cor. No. 1 of the Buick lode; 5 ft. wide, 12 ft. face, running S. 43° W., 20 ft. to face.
Value \$100. |
| No. 3 | An open cut, the mouth of which bears S. 32° 10' W., 235 ft. from Cor. No. 1 of the Buick lode; 6 ft. wide, 10 ft. face, running N. 35° E., 24 ft. to face and portal of tunnel 5 x 7 ft. in size, runs N. 35° E., 30 ft. to face.
Value \$675. |
| No. 1 | The discovery cut of the Dodge lode, the face of which being the discovery point is on the lode line 40 ft. from a point on line 3-4, 300 ft. from Cor. No. 3; 5 ft. wide, 10 ft. face, running N. 15° W., 22 ft. to face.
Value \$180. |
| No. 2 | An open cut, the mouth of which bears N. 58° 30' W., 540 ft. from Cor. No. 4 of the Dodge lode; 5 ft. wide, 12 ft. face, running N. 50° W., 25 ft. to face.
Value \$225. |
| No. 3 | An open cut, the mouth of which bears N. 24° 55' W., 292 ft. from Cor. No. 4 of the Dodge lode; 8 ft. wide, 10 ft. face, running N. 50° W., 20 ft. to face.
Value \$250. |
| No. 4 | An inclined shaft, the mouth of which bears N. 25° 10' W., 235 ft. from Cor. No. 4 of the Dodge lode; 5 x 7 ft. in size, 22 ft. deep, on a 45° incline, runs West.
Value \$250. |
| No. 5 | An open cut, the mouth of which bears N. 84° 08' E., 440 ft. from Cor. No. 1 of the Dodge lode; 5 ft. wide, 10 ft. face, running N. 20° E., 17 ft. to face.
Value \$125. |
| No. 6 | An open cut, the mouth of which bears N. 84° 10' E., 492 ft. from Cor. No. 1 of the Dodge lode; 5 ft. wide, 10 ft. face, running N. 20° E., 14 ft. to face.
Value \$100. |
| No. 7 | An open cut, the mouth of which bears N. 30° 40' E., 85 ft. from Cor. No. 1 of the Dodge lode; 4 ft. wide, 12 ft. face, running N. 45° W., 15 ft. to face and portal of tunnel, 4 x 7 ft. in size, runs N. 45° W., 13 ft. to face.
Value \$240. |
| No. 1 | The discovery cut of the Stutz lode, the face of which being the discovery point is on the lode line 40 ft. from a point on line 4-1, 297 ft. from Cor. No. 4; 4 ft. wide, 8 ft. face, running N. 35° E., 12 ft. to face.
Value \$75. |
| No. 2 | A tunnel, the mouth of which bears S. 62° 45' W., 355 ft. from Cor. No. 4 of the Stutz lode; 5 x 7 ft. in size, runs West 16 ft. to breast.
Value \$200. |
| No. 3 | A tunnel 5 x 7 ft. in size, the portal of which bears South 80 ft. from Cor. No. 3 of the Stutz lode and runs N. 20° E., 570 ft. to Pt. 1; thence N. 20° E., 106 ft. to Pt. 2; thence N. 20° E., 50 ft. to Pt. 3; thence N. 20° E., 58 ft. to face. From Pt. 1, drift runs N. 66° W., 86 ft. to face. From Pt. 1, drift runs East 100 ft., thence N. 78° E., 80 ft.; thence N. 72° E., 100 ft.; thence S. 85° E., 72 ft. to breast. From Pt. 2, drift runs N. 35° W., 110 ft. |

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- From Pt. 2, drift runs S. 75° E., 175 ft. to breast. From Pt. 3, drift runs N. 45° W., 28 ft., thence N. 75° W., 114 ft. to breast. From Pt. 3, drift runs N. 75° E., 33 ft., S. 66° E., 55 ft. to breast. Total length of tunnel and drifts 1737 ft. Total value \$26,055. The value of this improvement has been carried forward to COMMON IMPROVEMENTS.
- No. 1 The discovery point of the Star lode, being on the lode line 200 ft. from a point on line 3-4, 300 ft. from Cor. No. 3.
No value.
- No. 2 An open cut, the mouth of which bears S. 86° 06' W., 665 ft. from Cor. No. 3 of the Star lode; 4 ft. wide, 8 ft. face, running N. 15° E., 20 ft. to face.
Value \$100.
- No. 3 An open cut, the mouth of which bears S. 42° 55' E., 281 ft. from Cor. No. 2 of the Star lode; 5 ft. wide, 10 ft. face, running N. 30° E., 10 ft. to face.
Value \$60.
- No. 1 The discovery cut of the Ford lode, the face of which being the discovery point is on the lode line 50 ft. from a point on line 4-1, 171.8 ft. from Cor. No. 4; open cut 5 ft. wide, 20 ft. face, running N. 86° 30' W., 30 ft. to face and portal of tunnel, 5 x 8 ft. in size, runs N. 86° 30' W., 50 ft. to face. At face is a drift 4 x 6 ft. in size, running South 20 ft. to breast. At 30 ft. in tunnel is a winze 4 x 6 ft. in size, 25 ft. deep.
Value \$1750.
- No. 2 An open cut, the mouth of which bears S. 31° 15' W., 110 ft. from Cor. No. 4 of the Ford lode; 4 ft. wide, 10 ft. face running West 8 ft. to face and portal of tunnel 4 x 7 ft. in size, runs West 17 ft. to breast.
Value \$250.
- No. 3 An open cut, the mouth of which bears N. 57° 10' W., 348 ft. from Cor. No. 1 of the Ford lode; 6 ft. wide, 14 ft. face, running West 28 ft. to face.
Value \$340.
- No. 4 An open cut, the mouth of which bears S. 83° 30' W., 380 ft. from Cor. No. 4 of the Ford lode; 6 ft. wide, 12 ft. face, running N. 65° W., 20 ft. to face and portal of tunnel, 4 x 7 ft. in size, runs N. 65° W., 17 ft. to breast.
Value \$400.
- No. 5 An open cut, the mouth of which bears S. 83° 45' W., 452 ft. from Cor. No. 4 of the Ford lode; 4 ft. wide, 8 ft. face, running N. 30° W., 15 ft. to face.
Value \$75.
- No. 6 A tunnel, 5 x 7 ft. in size, the portal of which bears N. 60° 10' E., 458 ft. from Cor. No. 2 of the Ford lode; runs N. 20° E., 305 ft. to point from which a drift runs S. 70° E., 35 ft. to breast; thence N. 20° E., 115 ft. to Pt. 1; thence N. 20° E., 35 ft. to Pt. 12; thence N. 20° E., 85 ft. to end. From Pt. 1, drift runs S. 67° 30' E., 70 ft.; thence S. 38° E., 20 ft.; thence S. 67° 30' E., 110 ft. to breast. From Pt. 1, drift runs N. 81° W., 57 ft., thence S. 62° W., 18 ft., thence N. 66° W., 66 ft., thence N. 17° E., 34 ft. to Pt. 7. From Pt. 7, drift runs N. 20° E., 30 ft. to breast. From Pt. 7, drift runs N. 66° W., 20 ft. to breast. From Pt. 7, drift runs S. 66° E., 12 ft. to breast. From Pt. 6, drift runs S. 79° W., 46 ft. to Pt. 8. From Pt. 8 to breast, N. 50° W., 25 ft. From Pt. 8 to Pt. 9, S. 36° W., 44 ft. From Pt. 9, S. 48° 30' E., 77 ft. to breast. From Pt. 9, S. 72° W., 30 ft. to Pt. 10. From Pt. 10, west 57 ft. to breast. From Pt. 12 drifts run N. 70° W., 20 ft. to breast and S. 70° E., 10 ft. to breast. Total length 1276 ft. Value \$19,140. which has been carried forward to COMMON IMPROVEMENTS.

Survey No. 4388

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| No. 1 | The discovery cut of the Packard lode, the face of which being the discovery point is on the lode line 585 ft. from a point on line 4-1, 300 ft. from Cor. No. 4; 6 ft. wide, 8 ft. face, running N. 45° E., 12 ft. to face.
Value \$75. |
| No. 2 | An open cut, the mouth of which bears S. 60° W., 184 ft. from Cor. No. 4 of the Packard lode; 5 ft. wide, 8 ft. face, running North 15 ft. to face.
Value \$75. |
| No. 3 | An open cut, the mouth of which bears N. 24° 10' W., 312 ft. from Cor. No. 1 of the Packard lode; 5 ft. wide, 10 ft. face, running N. 35° W., 10 ft. to face and portal of tunnel, 5 x 7 ft. in size, runs N. 35° W., 12 ft. to breast.
Value \$255. |
| No. 4 | An open cut, the mouth of which bears N. 26° 45' W., 344 ft. from Cor. No. 1 of the Packard lode; 7 ft. wide, 15 ft. face, running N. 35° W., 25 ft. to face.
Value \$350. |
| No. 5 | An open cut, the mouth of which bears N. 49° 30' W., 353 ft. from Cor. No. 1 of the Packard lode; 4 ft. wide, 6 ft. face, runs N. 76° W., 15 ft. to face.
Value \$75. |
| No. 6 | A tunnel, 5 x 7 ft. in size, the mouth of which bears S. 79° 03' E., 331 ft. from Cor. No. 2 of the Packard lode, runs N. 36° E., 87 ft. to Pt. 1. Pt. 1, S. 78° E., 37 ft. to Pt. 2. Pt. 2, to face, N. 82° E., 29 ft. Pt. 2, N. 29° E., 38 ft. to Pt. 3. Pt. 3, S. 83° E., 15 ft. to face. Pt. 3, N. 83° W., 40 ft. to face. Pt. 3, N. 30° E., 25 ft. to Pt. 4. Pt. 4, N. 30° E., 75 ft. to face. Pt. 4, N. 66° W., 40 ft. to face. Pt. 4, S. 66° E., 30 ft. to face. Pt. 1, to face, West 40 ft. Pt. 1, to Pt. 5, N. 13° 30' E., 28 ft. Pt. 5, N. 32° W., 20 ft. to Pt. 6. Pt. 6, N. 66° W., 35 ft. to Pt. 7. Pt. 7, North 50 ft. to face. Pt. 7, N. 66° W., 65 ft. to Pt. 8. Pt. 8, S. 45° W., 27 ft. to face. Pt. 8, N. 53° W., 70 ft. to Pt. 9. Pt. 9, N. 70° W., 20 ft. to face. Total length 781 ft.
Value \$11,715. which has been carried forward to Common Improvements. |
| No. 7 | A tunnel, 5 x 7 ft. in size, the mouth of which bears N. 83° 02' E., 307 ft. from Cor. No. 2 of the Packard lode, runs North 52 ft. to Pt. 1. Pt. 1, S. 66° E., 10 ft. to face. Pt. 1, N. 66° W., 142 ft. to face. Pt. 1, North 31 ft. to Pt. 2. Pt. 2, N. 61° 30' W., 95 ft. to Pt. 3. Pt. 3, N. 66° W., 40 ft. to Pt. 4. Pt. 3, S. 82° W., 40 ft. to face. Pt. 4, S. 38° W., 28 ft. to face. Pt. 4, N. 66° W., 20 ft. to Pt. 5. Pt. 5, N. 66° W., 38 ft. to face. Pt. 5, N. 43° W., 52 ft. to face. Total length 548 ft.
Value \$8,220. which has been carried forward to Common Improvements. |
| No. 8 | A tunnel, 5 x 7 ft. in size, the mouth of which bears N. 44° 15' E., 252 ft. from Cor. No. 2 of the Packard lode, runs N. 52° 30' W., 58 ft., thence N. 37° W., 34 ft., thence N. 66° W., 30 ft. to Pt. 1. Pt. 1, N. 66° W., 35 ft. to breast. Pt. 1, S. 53° W., 20 ft. to breast. Total length 177 ft.
Value \$2655. |
| No. 1 | The discovery shaft of the Studebaker lode, the center of which being the discovery point is on the lode line 50 ft. from a point on line 2-3, 313.8 ft. from Cor. No. 2, 5 x 7 ft. in size, 8 ft. deep.
Value \$75. |

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No. 1	The discovery cut of the Gold Ridge lode, the face of which being the discovery point is on the lode line, 300 ft. from a point on line 4-1, 321 ft. from Cor. No. 4; 4 ft. wide, 8 ft. face, running N. 45° E., 15 ft. to face. Value \$75.
No. 1	The discovery cut of the Gold Ridge No. 1 lode, the face of which being the discovery point is on the lode line 400 ft. from a point on line 1-2, 300 ft. from Cor. No. 1; 4 ft. wide, 9 ft. face, running N. 20° E., 12 ft. to face. Value \$75.
No. 2	An open cut, the mouth of which bears S. 16° 15' E., 120 ft. from Cor. No. 2 of the Gold Ridge No. 1 lode; 4 ft. wide, 9 ft. face, running North 12 ft. to face. Value \$75.
No. 1	The discovery cut of the East Juno lode, the face of which being the discovery point is on the lode line 50 ft. from a point on line 2-3, 300 ft. from Cor. No. 2; 4 ft. wide, 8 ft. face, running N. 30° W., 12 ft. to face. Value \$60.
No. 2	An open cut, the mouth of which bears West 10 ft. from point on line 2-3 of the East Juno lode, 300 ft. from Cor. No. 2; 4 ft. wide, 12 ft. face, running N. 35° W., 25 ft. to face. Value \$150.
No. 3	A shaft, the center of which bears N. 53° 10' W., 50 ft. from a point on line 2-3 of the East Juno lode, 300 ft. from Cor. No. 2; 4 x 6 ft. in size, 8 ft. deep. Value \$60.
No. 4	An open cut, the mouth of which bears N. 66° 45' W., 81 ft. from a point on line 2-3 of the East Juno lode; 300 ft. from Cor. No. 2; 5 ft. wide, 10 ft. face, running N. 10° W., 30 ft. to face. Value \$250.
No. 5	An open cut, the mouth of which bears N. 65° 50' W., 148 ft. from a point on line 2-3 of the East Juno lode, 300 ft. from Cor. No. 2; 5 ft. wide, 10 ft. face, running North 17 ft. to face. Value \$120.
No. 6	An open cut, the mouth of which bears N. 65° 15' W., 248 ft. from a point on line 2-3 of the East Juno lode, 300 ft. from Cor. No. 2; 6 ft. wide, 14 ft. face, running N. 65° W., 18 ft. to face. Value \$225.
No. 7	An open cut, the mouth of which bears N. 68° 30' E., 595 ft. from Cor. No. 4 of the East Juno lode; 8 ft. wide, 10 ft. face, running S. 71° E., 42 ft. to face and portal of tunnel, 4 x 7 ft. in size, runs N. 19° E., 27 ft. to face. Value \$930.
No. 8	An open cut, the mouth of which bears N. 68° 30' E., 537 ft. from Cor. No. 4 of the East Juno lode; 5 ft. wide, 15 ft. face, running S. 71° E., 36 ft. to face. Value \$300.
No. 9	An open cut, the mouth of which bears N. 56° 15' E., 445 ft. from Cor. No. 4 of the East Juno lode; 5 ft. wide, 12 ft. face, running S. 71° E., 36 ft. to face. Value \$275.
No. 10	An open cut, the mouth of which bears N. 39° 08' E., 325 ft. from Cor. No. 4 of the East Juno lode; 6 ft. wide, 20 ft. face, running S. 71° E., 95 ft. to face. Value \$1750.

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- No. 11 An open cut, the mouth of which bears S. 62° 30' E., 380 ft. from Cor. No. 1 of the East Juno lode; 4 ft. wide, 10 ft. face, running S. 35° E., 15 ft. to face.
Value \$75.
- No. 12 An open cut, the mouth of which bears S. 69° 15' E., 281 ft. from Cor. No. 1 of the East Juno lode; 5 ft. wide, 12 ft. face, running S. 65° E., 18 ft. to face and portal of tunnel, 4 x 8 ft. in size, runs S. 65° E., 43 ft. to breast. At 16 ft. in tunnel, drift 4 x 6 ft. in size runs S. 35° W., 20 ft. to face.
Value \$880.
- No. 13 An open cut, the mouth of which bears S. 81° E., 500 ft. from Cor. No. 1 of the East Juno lode; 5 ft. wide, 18 ft. face, running S. 55° E., 30 ft. to face and portal of tunnel 4 x 8 ft. in size, runs S. 65° E., 54 ft. to a point; from this point a cross-cut runs S. 30° W., 10 ft. to breast; tunnel runs S. 60° E., 31 ft. to breast.
Value \$1650.
- No. 14 An open cut, the mouth of which bears S. 76° 15' E., 565 ft. from Cor. No. 1 of the East Juno lode; 7 ft. wide, 33 ft. face, runs S. 40° E., 52 ft. to face and portal of tunnel 4 x 8 ft. in size, runs S. 55° E., 70 ft. thence S. 70° E., 50 ft., thence S. 80° E., 63 ft. to breast.
Value \$3250.
- No. 15 An open cut, the mouth of which bears N. 68° 30' E., 675 ft. from Cor. No. 4 of the East Juno lode; 5 ft. wide, 20 ft. face, running N. 15° W., 28 ft. to face.
Value \$450.
- No. 1 The discovery cut of the Juno lode, the face of which being the discovery point is on the lode line 10 ft. from a point on line 1-2, 304.6 ft. from Cor. No. 1; 5 ft. wide, 10 ft. face, running S. 70° E., 15 ft. to face.
Value \$100.
- No. 2 An open cut, the mouth of which bears N. 70° 05' W., 102 ft. from a point on line 1-2, 304.6 ft. from Cor. No. 1 of the Juno lode; 5 ft. wide, 12 ft. face, running S. 70° E., 15 ft. to face and portal of tunnel, 4 x 7 ft. in size, runs S. 70° E., 147 ft. to a point; from this point cross-cut runs East 30 ft. to breast, tunnel runs S. 60° E., 25 ft., thence S. 70° E., 32 ft. to breast.
Total value \$3500. As this tunnel runs into the East Juno lode, a 1/2 interest has been allotted to the Juno and East Juno lodes.
Value of 1/2 interest \$1750.
- No. 3 An open cut, the mouth of which bears S. 23° 30' E., 245 ft. from Cor. No. 4 of the Juno lode; 4 ft. wide, 10 ft. face, running S. 20° W., 15 ft. to face.
Value \$80.
- No. 4 An open cut, the mouth of which bears S. 2° 30' E., 30 ft. from Cor. No. 4 of the Juno lode; 6 ft. wide, 15 ft. face, running S. 2° E., 18 ft. to face and portal of tunnel, 5 x 7 ft. in size, runs S. 2° E., 236 ft. to Pt. 1; Pt. 1, S. 75° E., 20 ft. to face of cross-cut; Pt. 1, S. 2° E., 50 ft. to Pt. 2; Pt. 2, S. 42° E., 19 ft. to face of cross-cut; Pt. 2, S. 2° E., 60 ft. to Pt. 3. Pt. 3, West 7 ft. to face of cross cut; Pt. 3, S. 2° E., 20 ft. to face. Total value \$8600. A 1/4 interest in this improvement has been allotted to each of the following claims of this survey: Juno, East Juno, Gold Ridge and Gold Ridge No. 1.
Value of 1/4 interest \$2150.

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| No. 5 | An open cut, the mouth of which bears S. 2° 30' W., 215 ft. from Cor. No. 4 of the Juno lode; 12 ft. wide, 42 ft. face, running South 60 ft. to face.
Value \$2500. |
| No. 6 | An open cut, the mouth of which bears S. 76° 10' W., 65 ft. from Cor. No. 1 of the Juno lode; 4 ft. wide, 12 ft. face, running S. 65° E., 14 ft. to face and portal of tunnel, 3 x 5 ft. in size, runs S. 65° E., 10 ft. to breast.
Value \$200. |
| No. 7 | An open cut, the mouth of which bears S. 22° 07' W., 40 ft. from Cor. No. 1 of the Juno lode; 4 ft. wide, 12 ft. face, running S. 75° E., 22 ft. to face and portal of tunnel 4 x 7 ft. in size, runs S. 75° E., 5 ft. to face.
Value \$200. |
| No. 1 | The discovery cut of the Juno No. 1, the face of which being the discovery point is on the lode line 455 ft. from a point on line 4-1, 303.4 ft. from Cor. No. 4; 4 ft. wide, 12 ft. face, running S. 84° E., 20 ft. to face.
Value \$125. |
| No. 2 | An open cut, the mouth of which bears N. 63° 30' E., 87 ft. from Cor. No. 4 of the Juno No. 1 lode; 5 ft. wide, 14 ft. face, running S. 80° E., 34 ft. to face and portal of tunnel, 4 x 7 ft. in size, runs S. 80° E., 25 ft. to breast.
Value \$675. |
| No. 3 | An open cut, the mouth of which bears S. 85° E., 75 ft. from Cor. No. 4 of the Juno No. 1 lode; 5 ft. wide, 15 ft. face, running N. 20° E., 15 ft. to face and portal of tunnel 4 x 7 ft. in size, runs N. 20° E., 32 ft. to Pt. 1. Pt. 1, N. 20° E., 61 ft. to breast. Pt. 1, S. 75° E., 18 ft. to Pt. 2. Pt. 2, S. 75° E., 60 ft. to breast. Pt. 2, N. 20° E., 20 ft. to Pt. 3. Pt. 3, S. 75° E., 54 ft. to breast.
Value \$3300. |
| No. 4 | An open cut, the mouth of which bears S. 85° 15' E., 690 ft. from Cor. No. 4 of the Juno No. 1 lode; 4 ft. wide, 18 ft. face, running N. 50° E., 32 ft. to face and portal of tunnel 4 x 8 ft. in size, runs S. 65° E., 45 ft. to breast. At 12 ft. in tunnel is a winze 4 x 6 ft. in size, 20 ft. deep. At same Pt. tunnel runs N. 65° W., 20 ft., thence S. 65° E., 40 ft. to breast.
Value \$1960. |
| No. 5 | An open cut, the mouth of which bears S. 84° 30' E., 750 ft. from Cor. No. 4 of the Juno No. 1 lode; 4 ft. wide, 12 ft. face, running S. 65° E., 18 ft. to face and portal of tunnel, 4 x 7 ft. in size runs S. 65° E., 8 ft. to breast.
Value \$225. |
| No. 6 | An open cut, the mouth of which bears N. 62° 25' W., 642 ft. from Cor. No. 3 of the Juno No. 1 lode; 5 ft. wide, 10 ft. face, running S. 85° E., 16 ft. to face.
Value \$125. |
| No. 7 | An open cut, the mouth of which bears N. 69° W., 629 ft. from Cor. No. 3 of the Juno No. 1 lode; 8 ft. wide, 15 ft. face, running S. 87° E., 32 ft. to face and portal of tunnel 4 x 7 ft. in size runs S. 75° E., 30 ft. to breast.
Value \$1000. |
| No. 8 | An open cut, the mouth of which bears N. 63° 50' W., 535 ft. from Cor. No. 3 of the Juno No. 1 lode; 4 ft. wide, 12 ft. face, running S. 80° E., 25 ft. to face.
Value \$180. |

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| No. 9 | An open cut, the mouth of which bears N. 70° 05' W., 542 ft. from Cor. No. 3 of the Juno No. 1 lode; 4 ft. wide, 18 ft. face, running N. 80° E., 27 ft. to face and portal of tunnel, 4 x 7 ft. in size, runs N. 40° E., 16 ft., thence S. 80° E., 14 ft. to breast.
Value \$750. |
| No. 1 | The discovery open cut of the Suspension No. 1 lode, the face of which being the discovery point is on the lode line 110 ft. from a point on line 3-4, 300 ft. from Cor. No. 3; 5 ft. wide, 10 ft. face, running N. 70° W., 30 ft. to face.
Value \$225. |
| No. 2 | An open cut, the mouth of which bears N. 7° 30' E., 244 ft. from Cor. No. 3 of the Suspension No. 1 lode; 8 ft. wide, 12 ft. face, runs N. 70° W., 25 ft. to face.
Value \$375. |
| No. 1 | The discovery point of the Suspension No. 2 lode, being on the lode line 780 ft. from a point on line 3-4, 300 ft. from Cor. No. 3.
No value |
| No. 2 | A shaft, the center of which bears S. 70° 30' W., 690 ft. from Cor. No. 3 of the Suspension No. 2 lode, 5 x 6 ft. in size, 20 ft. deep.
Value \$300. |
| No. 3 | An open cut, the mouth of which bears N. 87° E., 490 ft. from Cor. No. 1 of the Suspension No. 2 lode; 4 ft. wide, 10 ft. face, running S. 45° W., 24 ft. to face and portal of tunnel, 4 x 6 ft. in size, runs S. 45° W., 8 ft. to breast.
Value \$230. |
| No. 1 | The discovery cut of the Gracie lode, the face of which being the discovery point is on the lode line 610 ft. from a point on line 2-3, 300 ft. from Cor. No. 2; 4 ft. wide, 8 ft. face, running N. 80° W., 16 ft. to face.
Value \$75. |
| No. 2 | An open cut, the mouth of which bears S. 49° 30' W., 422 ft. from Cor. No. 2 of the Gracie lode; 4 ft. wide, 12 ft. face, running East 30 ft. to face.
Value \$300. |
| No. 3 | An open cut, the mouth of which bears S. 46° 30' W., 360 ft. from Cor. No. 2 of the Gracie lode; 4 ft. wide, 10 ft. face, running East 25 ft. to face.
Value \$150. |
| No. 1 | The discovery point of the Thelma lode, being on the lode line 769 ft. from a point on line 2-3, 300 ft. from Cor. No. 2.
No value |
| No. 2 | An open cut, the mouth of which bears N. 50° 30' W., 340 ft. from Cor. No. 3 of the Thelma lode; 4 ft. wide, 12 ft. face, running N. 20° E., 18 ft. to face.
Value \$135. |
| No. 3 | An open cut, the mouth of which bears N. 32° 55' W., 410 ft. from Cor. No. 3 of the Thelma lode; 3 ft. wide, 10 ft. face, running N. 67° E., 20 ft. to face.
Value \$95. |
| No. 4 | An open cut, the mouth of which bears N. 87° 05' W., 378 ft. from Cor. No. 3 of the Thelma lode; 4 ft. wide, 6 ft. face, running North 10 ft. to face.
Value \$35. |

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No. 1

The discovery cut of the Suspension No. 3 lode, the face being the discovery point is on the lode line 160 ft. from a point on line 2-3, 110 ft. from Cor. No. 2; 4 ft. wide, 8 ft. face, running West 15 ft. to face.

Value \$75.

COMMON IMPROVEMENTS

Improvements Nos. 3 of the Stutz lode, 6 of the Ford lode and 6 and 7 of the Packard lode have been done for the development of the nineteen lodes of this survey which are all the contiguous claims owned in common within range of the benefit of said tunnels.

The extension of these tunnels with the necessary laterals, winzes, cross-cuts and drifts will tend to develop the vein systems contained in these lode claims.

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 location and to the time since which common ownership and contiguity have prevailed, therefore an undivided one-nineteenth interest in their value is hereby credited to each of said lodes.

Value - No. 3 Stutz lode	- - - - -	\$26,055.
No. 6 Ford lode	- - - - -	19,140.
No. 6 Packard lode	- - - - -	11,715.
No. 7 Packard lode	- - - - -	<u>8,220.</u>

Total value \$65,130.

Value of a one-nineteenth interest - - - - - 3,427.89

OTHER IMPROVEMENTS

A frame house, the S.E. corner of which bears N. 10° 30' E., 623 ft. from Cor. No. 2 of the Pierce Arrow lode; 14 x 36 ft. in size, long side bears N. 10° E. Claimant herein.

A galvanized iron building, the N.W. corner of which bears S. 23° 10' E., 370 ft. from Cor. No. 4 of the Pierce Arrow lode; 14 x 20 ft. in size, long sides bear East.

A tunnel, the mouth of which bears S. 12° 30' E., 360 ft. from Cor. No. 4 of the Pierce Arrow lode; 5 x 7 ft. in size, 1875 ft. long, runs approximately N. 3° 30' W.

A shaft, caved, the center of which bears N. 37° 30' E., 355 ft. from Cor. No. 4 of the Chevrolet lode.

A system of trenches, caved stopes and inaccessible tunnels extends along the vein on the Packard lode from the center of the west end, S. 66° E., 800 ft.

An open cut, caved, the mouth of which bears S. 44° E., 480 ft. from Cor. No. 4 of the Suspension No. 1 lode.

An open cut, caved, the mouth of which bears S. 36° E., 365 ft. from Cor. No. 4 of the Suspension No. 1 lode.

An open cut, the mouth of which bears S. 34° E., 325 ft. from Cor. No. 4 of the Suspension No. 1 lode; 9 ft. wide, 9 ft. face, runs N. 70° W., 15 ft. to face.

An open cut, the mouth of which bears N. 12° 45' E., 280 ft. from Cor. No. 3 of the Suspension No. 1 lode; 5 ft. wide, 10 ft. face, runs N. 70° W., 17 ft. to face.

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An open cut, the mouth of which bears S. 6° 30' E., 290 ft. from Cor. No. 2 of the Suspension No. 2 lode; 10 ft. wide, 6 ft. face, runs North 10 ft. to face.

An open cut, the mouth of which bears N. 51° 30' E., 200 ft. from Cor. No. 1 of the Suspension No. 2 lode; 7 ft. wide, 15 ft. face, runs S. 20° W., 25 ft. to face.

An open cut, the mouth of which bears N. 82° E., 520 ft. from Cor. No. 1 of the Suspension No. 2 lode; 4 ft. wide, 6 ft. face, runs North 10 ft. to face.

An open cut, the mouth of which bears N. 87° 30' E., 585 ft. from Cor. No. 1 of the Suspension No. 2 lode; 8 ft. wide, 15 ft. face, runs North 15 ft. to face.

A trench, the west end of which bears N. 86° 30' E., 508 ft. from Cor. No. 1 of the Suspension No. 2 lode; 4 ft. wide, 5 ft. deep, runs S. 74° E., 57 ft. to the east end.

An open cut, the mouth of which bears S. 59° 30' W., 435 ft. from Cor. No. 2 of the Gracie lode; 4 ft. wide, 10 ft. face, runs East 19 ft. to face.

An open cut, the mouth of which bears S. 57° W., 500 ft. from Cor. No. 2 of the Gracie lode; 5 ft. wide, 8 ft. face, runs East 48 ft. to face.

An open cut, the mouth of which bears S. 69° W., 510 ft. from Cor. No. 2 of the Gracie lode; 6 ft. wide, 12 ft. face, runs S. 89° E., to face.

An open cut, the mouth of which bears S. 64° W., 555 ft. from Cor. No. 2 of the Gracie lode; 6 ft. wide, 10 ft. face, runs East 23 ft. to face.

An open cut, the mouth of which bears S. 66° W., 560 ft. from Cor. No. 2 of the Gracie lode; 4 ft. wide, 8 ft. face, runs S. 80° E., 15 ft. to face.

An open cut, the mouth of which bears S. 64° W., 605 ft. from Cor. No. 2 of the Gracie lode; 4 ft. wide, 12 ft. face, runs S. 80° E., 9 ft. to face and portal of tunnel 4 x 7 ft. in size, running S. 80° E., 28 ft. to breast.

An open cut, the mouth of which bears S. 60° W., 600 ft. from Cor. No. 2 of the Gracie lode; 8 ft. wide, 9 ft. face, runs S. 80° E., 30 ft. to face.

A deep shaft, 8 x 8 ft. in size, top caved in, the center of which bears S. 72° W., 625 ft. from Cor. No. 2 of the Gracie lode.

An open cut, the mouth of which bears S. 72° 45' W., 650 ft. from Cor. No. 2 of the Gracie lode; 5 ft. wide, 12 ft. face, runs N. 80° W., 10 ft. to face and portal of tunnel 4 x 7 ft. in size, runs N. 80° W., 100 ft.; thence N. 70° W., 243 ft. to cross cut which runs S. 10° W., 29 ft. to face; thence N. 75° W., 161 ft.; thence N. 70° W., 135 ft. to cross cut which runs S. 10° W., 10 ft., another crosscut runs from same point N. 10° E., 25 ft. to face; thence N. 80° W., 57 ft. to cross cut running S. 30° E., 29 ft.; thence N. 80° W., 20 ft. to cave in.

An open cut, the mouth of which bears S. 82° 30' E., 680 ft. from Cor. No. 1 of the Gracie lode; 16 ft. wide, 14 ft. high, running North 33 ft. to face.

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An open cut, the mouth of which bears S. 74° 30' E., 550 ft. from Cor. No. 1 of the Gracie lode; 4 ft. wide, 8 ft. face, running S, 45° W., 12 ft. to face.

An open cut, the mouth of which bears S. 72° 30' E., 290 ft. from Cor. No. 1 of the Gracie lode; 4 ft. wide, 20 ft. face, running N. 80° W., 32 ft. to face and shaft 4 x 6 ft. in size, depth ?; Also at face of cut is a second cut 4 ft. wide, 10 ft. face, running N. 80° W., 50 ft. to face.

A trench, the west end of which bears from Cor. No. 1 of the Gracie lode S. 74° 30' E., 300 ft.; 4 ft. wide, 7 ft. deep, runs S. 80° E., 38 ft. to east end.

A trench, the west end of which bears S. 2° E., 80 ft. from Cor. No. 1 of the Gracie lode; 4 ft. wide, 4 ft. deep, runs S. 80° E., 58 ft. to east end.

A stope, the west end of which bears S. 39° E., 100 ft. from Cor. No. 1 of the Gracie lode; 5 ft. wide, ? ft. deep, runs S. 80° E., 50 ft. to east end.

A shaft, the center of which bears S. 54° E., 135 ft. from Cor. No. 1 of the Gracie lode; 4 x 6 ft. in size, ? ft. deep.

A trench, the west end of which bears S. 57° 30' E., 172 ft. from Cor. No. 1 of the Gracie lode; 4 ft. wide, 4 ft. deep, runs S. 80° E., 48 ft. to east end.

An open cut, the mouth of which bears N. 89° E., 400 ft. from Cor. No. 4 of the Thelma lode; 7 ft. wide, 15 ft. face, running N. 8° 15' W., 42 ft. to face and portal of "Dives Tunnel" 5 x 7 ft. in size, runs N. 8° 15' W., 1041 ft. to Pt. 1; thence N. 8° 15' W., 145 ft. to Pt. 5; thence N. 8° 15' W., 243 ft. to Pt. 5 A; thence N. 8° 15' W., 45 ft. to Pt. 6; thence N. 8° 15' W., 17 ft. to Pt. 7; thence N. 8° 15' W., 257 ft. to cave in. From Pt. 1, N. 80° W., 63 ft. to cross cut S. 10° W., 10 ft. to face; thence N. 80° W., 83 ft. to cave in. From Pt. 1, S. 80° E., 100 ft., thence S. 70° E., 109 ft. to Pt. 2; from Pt. 2, S. 80° E., 100 ft.; thence S. 71° E., 148 ft. to Pt. 3; from Pt. 2, North 52 ft., thence N. 25° E., 23 ft. to cross cut which runs N. 60° W., 14 ft. to face; thence N. 32° E., 32 ft. to face. From Pt. 3, S. 50° E., 16 ft., thence N. 85° E., 15 ft. to cross cut (S. 5° E., 13 ft. to face), thence N. 85° E., 17 ft., thence S. 40° E., 20 ft., thence S. 30° E., 30 ft. to breast. From Pt. 3, N. 20° E., 43 ft., thence N. 10° E., 37 ft. to Pt. 4; from Pt. 4, North 52 ft. to face; from Pt. 4, S. 50° E., 38 ft. to face. From Pt. 5, a cross cut runs N. 80° E., 29 ft. to face. From Pt. 6, N. 60° E., 25 ft., thence S. 70° E., 46 ft. to breast. From Pt. 7, N. 75° W., 90 ft. to breast.

All items above listed are the property of the claimant herein.

OTHER CORNER DESCRIPTIONS

Sur. No. 1554 Ewell Spring lode;- Cors. 2, 3, and 5 are pine posts. Cors. 1 and 4 were pine posts replaced with iron pipe. I find line 2-3 to be S. 19° 19' W., instead of S. 18° 57' W. Line 3-4 to be N. 65° 52' W., 1116.8 ft. instead of N. 65° 51' W., 1121.2 ft. I check lines 4-5 and 5-1.

Sur. No. 2827 Star Mine No. 2;- Cor. No. 1 was a pine post, replaced with an iron pipe. Cor. No. 2 is a pine post. I check line 1-2.

Sur. No. 2970 Midnight lode:- Cors. 1, 2, and 4 are pine posts. I check lines 1-2 and 4-1.

Sur. No. 2972 Steamboat lode:- Cors. 1, 2, and 4 are pine posts. I check lines 1-2 and 4-1.

Survey No. 4388

FIELD ASSISTANTS

Jesse I. Horton	Chairman
Stanley Morris	Axeman
William Spivey	Helper
Perry D. Skidmore	Helper

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

I, Ralph L. Motz, Mineral Surveyor,
 hereby certify upon honor that in pursuance of an order received from the Division
of Cadastral Engineering, at Albuquerque, New Mexico,
 dated February 23, 1954, I have faithfully and correctly executed the survey
 of the mining claim of Dos Cabezas Mining Co.
 known as the see list below
 (lode, placer, or millsite)
 situate in Dos Cabezas Mining District,
in Sections 21, 22 and 27 T. 14 S.; R. 27 E.,
Gila and Salt River Meridian, Arizona, and designated
 (State)
 as Survey No. 4388, which is represented in the fore-
 going field notes as having been executed by me and under my direction, and that said
 survey has been made in strict conformity with said order, the Manual of Instructions
 for the Survey of the Public Lands of the United States, and in the specific manner
 described in the foregoing field notes, and I do further certify that the labor ex-
 pended and improvements made upon or for the benefit of the lode
 (lode or placer)
 location embraced in the said mining claim by claimant— or its grantors
 are fully stated in my report therein, and that the character, extent, location, and
 itemized value thereof are specified therein with particularity and full detail, and
 that no portion of, or interest in, said labor and improvements so credited to this
 claim has been included in the estimate of expenditures upon any other claim.

Bisbee, Arizona.

(Place)

June 17, 1954.

(Date)

Ralph L. Motz
 (Mineral Surveyor)

Stutz, Dodge, Pierce Arrow, Packard, Studebaker, Ford, Star, Buick,
 Chevrolet, Gold Ridge, Gold Ridge No. 1, Juno, Juno No. 1, East
 Juno, Suspension No. 1, Suspension No. 2, Suspension No. 3, Gracie
 and Thelma lode claims.

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF
MINING CLAIM

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

~~REGISTRATION DIVISION~~
Division of Cadastral Engineering

At Phoenix, Arizona

February 7, 1955

I, Office Cadastral Engineer at Phoenix, Arizona

do hereby certify that the forgoing and hereto attached Field Notes and return of the Survey of the Mining Claim of Dos Cabezas Mining Co., known as the Stutz, Dodge, Pierce Arrow, Packard, Studebaker, Ford, Star, Chevrolet, Buick, Gold Ridge, Gold Ridge No. 1, Juno, Juno No. 1, East Juno, Suspension No. 1, Suspension No. 2, ~~known as the~~ Suspension No. 3, Gracie and Thelma lode claims,

situate in Dos Cabezas mining district,
Cochise County, Arizona

in Sections 21, 22 and 27, Township No. 14 South, Range No. 27 East
G&SRM, Arizona, designated as Survey No. 4388

executed by Ralph L. Motz, Mineral
Surveyer, April 17, 1954 to May 28, 1954, ~~to~~, under my instructions dated

February 23, 19 54, 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 included and made a part of these field notes.

Everett H. Kimmell
Everett H. Kimmell

Office Cadastral Engineer.

Mineral Survey No. 4388

Feet

AMENDMENT TO FIELD NOTES

The following amendments to the field notes of Mineral Survey No. 4388 is prepared to define the conflict of the Chevrolet lode with lot 1 Sec. 27, Homestead, Phoenix 049049; and the conflicts of the Chevrolet and Pierce Arrow lodes with the SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 27, State Selection, Phoenix 070875, in T. 14 S., R. 27 E., Gila and Salt River Meridian, Arizona.

Chevrolet Lode

Beginning at Cor. No. 2

Thence S. 21° 15' W.

1012.4 Intersect the N 1/16 sec. line of sec. 27, and north boundary of Homestead Entry, Phoenix 049049, at a point from which the position for the center N 1/16 section corner bears S. 89° 44' W., 386.5 ft. dist.

1498. Cor. No. 3.

Thence N. 68° 35' W.

228.6 Intersect the N-S center line of sec. 27 and west boundary of H.E. Phoenix 049049, at a point from which the position for the center N 1/16 sec. cor. bears N. 0° 22' E., 367.3 ft. dist.

600. Cor. No. 4, identical with Cor. No. 2 of the Pierce Arrow lode of this survey.

Thence N. 21° 15' E.

244.3 Intersect the N 1/16 sec. line of sec. 27 and north boundary of State Selection, Phoenix 070875, at a point from which the position for the center N 1/16 sec. cor. bears N. 89° 07' E., 259.5 ft. dist.

1498. Cor. No. 1, identical with Cor. No. 1 of the Pierce Arrow lode of this survey.

Pierce Arrow Lode

Beginning at Cor. No. 1, identical with Cor. No. 1 of the Chevrolet lode of this survey.

Thence S. 21° 15' W.

1253.7 Intersect the N 1/16 sec. line of sec. 27 and north boundary of State Selection, Phoenix 070875, at a point from which the position for the center N 1/16 sec. cor. bears N. 89° 07' E., 259.5 ft. dist.

1498.0 Cor. No. 2, identical with Cor. No. 4 of the Chevrolet lode of this survey.

Thence N. 68° 35' W.

596.4 Intersect the N 1/16 sec. line of sec. 27 and the north boundary of State Selection, Phoenix 070875, at a point from which the intersection of line 1-2 with the N 1/16 sec. line bears N. 89° 07' E., 643.8 ft. dist.

600.0 Cor. No. 3.

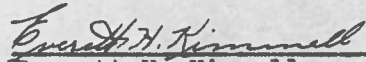
Mineral Survey No. 4388

AREAS

Chevrolet lode	Acres
Area in conflict with:	
Homestead Entry, Phoenix 049049	2.904
State Selection, Phoenix 070875	2.121
Pierce Arrow lode	
Area in conflict with:	
State Selection, Phoenix 070875	1.672

CERTIFICATE

I hereby certify that the foregoing amendments to the field notes of Mineral Survey No. 4388, have been made pursuant to the State Supervisor's memorandum dated March 8, 1955, and in accordance with the records in this office.


 Everett H. Kimmell
 Office Cadastral Engineer

Phoenix, Arizona
 March 14, 1955