

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4554

Arizona Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

Le Roy S. Martin

Known As The

Bland, Owl and Wedge lodes

Pima Mining District,

Pima County, Arizona

Section 11, Township 17 South, Range 12 East

Surveyed under order dated March 13, 1961

by Robert Lenon
Mineral Surveyor.

Claim located March 11, 1933

Survey commenced March 20, 1961

Survey completed April 15, 1961

Address of claimant 6755 S. San Fernando, Tucson, Arizona

DATES OF AMENDED LOCATIONS

none

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY

PHYSICAL CHEMISTRY

1950-1951

LECTURE NOTES

BY

ROBERT H. SPRENGEL

1950-1951

1950

1951

1950-1951

1950-1951

1950-1951

CHANGES
Feet

This survey was made with a Bausch & Lomb Precise Transit, No. 9259, with horizontal limb $5\frac{1}{2}$ ins. diam., having two single opposite verniers, and full vertical circle $4\frac{1}{4}$ ins. diam., having two double opposite verniers, all verniers reading to one minute of arc. The eyepiece is equipped with a colored glass set in the dust shutter, for making direct observations on 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 double horizontal angles referred to the meridian determined by the following observations:

March 20, 1961, at cor. No. 1, Bland Lode in latitude $31^{\circ}58'$ N., and longitude $111^{\circ}05'30''$ W., I make a series of four altitude observations (in two sets of two each) upon the sun for azimuth, at approximately equal time-intervals, two each with the telescope in direct and reversed positions, observing opposite limbs of the sun, and reading the horizontal angles clockwise, from a point on line 1-2, Bland lode, about 1000 feet NE'ly, SW. to the sun:

	(1st set)	(2nd set)
Mean time of observation,		
105th meridian standard time:	$3^{\text{h}}18^{\text{m}}$ P.M.	$3^{\text{h}}22^{\text{m}}$ P.M.
Declination of sun at mean		
time of observation:		$0^{\circ}02'$ N.
Mean observed vertical angles		
to sun's center:	$39^{\circ}04'$	$38^{\circ}40'30''$
Mean horizontal angles from ref-		
erence point to sun's center:	$177^{\circ}44'30''$	$178^{\circ}13'$
True bearing to reference point:		N. $61^{\circ}53'$ E.

The lines were measured with a Lufkin steel tape, 500 feet in length, graduated every foot, with the end feet graduated to tenths and hundredths; and a Chicago steel tape, 300 feet in length, graduated every foot, with the end feet graduated to tenths; both tapes were compared with a Lufkin standard steel tape at the time of beginning the survey, and found correct.

All lines and connections were run by direct methods.

The magnetic declination observed at each corner of the survey gave a uniform value of $13^{\circ}45'$ E.

WEDGE LODGE

At cor. No. 1 of the Wedge lode, identical with cor. No. 4 of the Bland lode of this survey.

Found an iron pipe, 2 ins. diam., 18 ins. above the ground, firmly set, with lead cap mkd. SW B-NW W, to which I added 1-4-4554, with a mound of stone surrounding; from which

The $\frac{1}{4}$ sec. cor. common to secs. 10 and 11, T. 17 S., R. 12 E.; G. & S.R.M., Arizona, bears N. $41^{\circ}55'50''$ W., 1392.68 ft. dist. An iron post $\frac{3}{4}$ ins. diam., 2 ins. above the ground, firmly set and properly mkd.

Chains Feet	
	Thence N. 61° 53' E.
250	Road, 8 ft. wide; bears N. 77° W. and S. 77° E.
477	Road, 8 ft. wide; bears N. 15° W. and S. 35° E.
737	Road, 8 ft. wide; bears N. 75° W. and S. 75° E.
1269.5	Cor. No. 2, identical with cor. No. 1, Owl lode and falling on line 3-4 of the Bland lode, of this survey. Found an iron pipe, 2 ins. diam., 18 ins. above the ground, firmly set, with lead cap mkd. NE-W-NW-O, to which I added 2-1-4554, surrounded by a mound of stone. Thence S. 8° 44' 30" E.
300.0	Lode line, discovery point bears S. 74° 10' W., 1106.80 ft. dist.
325	Gulch, 10 ft. wide; course N. 40° E.
500	Gulch, 20 ft. wide; course N. 39° E.
500	Road, 8 ft. wide; bears N. 73° E. and S. 73° W.
600.0	Cor. No. 3, identical with Cor. No. 4 Owl lode, of this survey, and falling on line 2-3, Sur. No. 4050, Vinie lode. Found an iron pipe, 2 ins. diam., 18 ins. above the ground, firmly set, with lead cap mkd. SE-W-SW-O, to which I added 3-4-4554, surrounded by a mound of stone; from which Cor. No. 3 Sur. No. 4050 Vinie lode bears N. 84° 30' E., 460.76 ft. dist. An iron pipe, 2 ins. diam., 18 ins. above the ground, with lead cap mkd. V-3-4050, surrounded by a mound of stone. Thence S. 84° 30' 30" W.
58	Gulch, 15 ft. wide; at junction, E'ly branch, 5 ft. wide, course North to this point; W'ly branch 15 ft. wide, course N. 45° E. to this point; course N. 24° E. below this point.
159	Road, 8 ft. wide; bears N. 39° E. and S. 39° W.
245	Gulch, 6 ft. wide; course N. 38° E.
263	Road, 8 ft. wide; bears N. 58° W. and S. 58° E.
1039.24	Cor. No. 2, Sur. No. 4050 Vinie lode, identical with cor No. 3, Sur. No. 4048 Camden lode. Found an iron pipe, 2 ins. diam., 18 ins. above the ground, firmly set, with lead cap mkd. V 2-4050-C-3-4048, surrounded by a mound of stone.
1199.5	Cor. No. 4, falling on line 2-3, Sur. No. 4048, Camden lode. Found an iron pipe, 2 ins. diam., 18 ins. above the ground, firmly set, with a lead cap mkd. W-SW, to which I added 4-4554, surrounded by a mound of stone.

Survey No. 4554

	Thence N. 8° 44' 30" W.
Feet: 25	Gulch, 5 ft. wide; course N. 65° E.
83.0	Lode line, discovery point bears N. 74° 10' E., 100 ft. dist.
110.84	Cor. No. 1 and place of beginning.
	OWL LODE
	At cor. No. 1 of the Owl lode, identical with cor. No. 2 of the wedge lode and falling on line 3-4 of the Bland lode, both of this survey, previously described; from which
	The $\frac{1}{2}$ Sec. cor. common to secs. 10 and 11, T. 17 S., R. 12 E., G. & S. R. M., Arizona, bears N. 77° 56' 50" W.; 2096.55 ft. dist., previously described.
	Thence N. 61° 53' E.
230.10	Cor. No. 3, Bland lode, this survey.
868	Gulch, 2 ft. wide; course N. 18° W.
1428	Road, 8 ft. wide; course N. 18° W. and S. 18° E.
1500.0	Cor. No. 2.
	Set an iron pipe, 1 $\frac{1}{2}$ ins. diam., 30 ins. long, 18 ins. in the ground, with a brass cap mkd. O-2-4554, surrounded by a mound of stone, from which
	A location monument of the Owl lode bears N. 61° 53' E., 100.0 ft. dist; an iron pipe, 2 ins. diam., 18 ins. above the ground with lead cap mkd. NE O, surrounded by a mound of stone.
	Thence S. 8° 44' 30" E.
133	Road, 8 ft. wide; bears N. 73° E. and S. 73° W.
300.0	Lode line, discovery point bears S. 61° 53' W., 1450 ft. dist.
310	Gulch, 4 ft. wide; course N. 85° E.
600.0	Cor. No. 3.
	Set a galvanized iron pipe, 1 $\frac{1}{2}$ ins. diam. 30 ins. long, with brass cap mkd. O-3-4554, with a mound of stone alongside; from which
	A location monument of the Owl lode, bears N. 61° 53' E., 100 ft. dist; an iron pipe, 2 ins. diam., 18 ins. above the ground, firmly set, with lead cap mkd. SE O, surrounded by a mound of stone.
	Thence S. 61° 53' W.
500	Enter Gulch, 60 ft. wide; course S. 86° E.
610	Leave Gulch, 60 ft. wide, course S. 86° E.
1345	Road, 8 ft. wide; bears N. 54° W. and S. 54° E.
1400	Gulch, 40 ft. wide; course N. 07° W.

Feet	CHAINS
1500.0	<p>identical with Cor. No. 3 of the Wedge lode of this survey, Cor. No. 4, falling on line 2-3, Sur. No. 4050, Vinie lode, previously described.</p> <p>Thence N. $8^{\circ} 44' 30''$ W.</p>
100	Gulch, 20 ft. wide; course N. 39° E.
100	Road, 8 ft. wide; bears N. 73° E. and S. 73° W.
275	Gulch, 10 ft. wide; course N. 40° E.
300.0	Lode line, discovery point bears N. $61^{\circ} 53'$ E., 50 ft. dist.
600.0	Cor. No. 1 and place of beginning.
	BLAND LODGE
	Beginning at cor. No. 1 of the Bland lode.
	Found an iron pipe, 2 ins. diam., 18 ins. above the ground, firmly set, with lead cap mkd. NW B, to which I added, 1-4554, surrounded by a mound of stone; from which
	The $\frac{1}{4}$ Sec. Cor. common to secs. 10 and 11, T. 17 S., R. 12 E., G. & S. R. M., Arizona, bears N. $62^{\circ} 10' 30''$ W., 949.20 ft. dist., previously described.
	Thence N. $61^{\circ} 53'$ E.
44	Gulch, 5 ft. wide; course N. 35° E.
197	Gulch, 6 ft. wide; course S. 80° E.
590	Road, 10 ft. wide; bears N. 10° E. and S. 10° W.
765	Gulch, 2 ft. wide; course S. 56° E.
892	Gulch, 3 ft. wide; course East.
937	Gulch, 2 ft. wide; course S. 30° E.
1177	Gulch, 2 ft. wide; course S. 35° E.
1330	Stone Mound.
1462	Gulch, 2 ft. wide; course S. 65° E.
1499.6	Cor. No. 2.
	Found an iron pipe, 2 ins. diam., 18 ins. above the ground, firmly set, with lead cap mkd. B NE, to which I added 2-4554.
	Thence S. $8^{\circ} 44' 30''$ E.
37	Gulch, 2 ft. wide; course N. 70° E.
166	Gulch, 6 ft. wide; course N. 85° E.
300.0	Lode line, discovery point bears S. $61^{\circ} 53'$ W., 1400 ft. dist.
600.0	Cor. No. 3, falling on line 1-2 of the Owl lode, this survey.
	Found an iron pipe, 2 ins. diam., 18 ins. above the ground, firmly set, with a lead cap mkd., B SE, to which I added 3-4554.

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~~Chains~~
Feet

Thence S. 61° 53' W.

- 230.10 Cor. No. 1, Owl lode, this survey, identical with cor. No. 2, Wedge lode, this survey, previously described.
- 762.60 Road, 8 ft. wide; bears N. 75° W. and S. 75° E.
- 1022.60 Road, 8 ft. wide; bears S. 35° E. and N. 15° W.
- 1249.60 Road, 8 ft. wide; bears S. 77° E. and N. 77° W.
- 1499.6 Cor. No. 4, identical with cor. No. 1, Wedge lode, this survey, previously described.

Thence N. 8° 44' 30" W.

- 300.0 Lode line, discovery point bears N. 61° 53' E., 100 ft. dist.
- 591 Gulch, 5 ft. wide; course N. 80° E.
- 600 Cor. No. 1 and place of beginning.

AREAS

Acres

Total area, Wedge lode-----	9.772
Total area, Owl lode-----	19.491
Total area, Bland lode-----	19.486

LOCATION

This survey is located in the NE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$ and NW $\frac{1}{4}$ of Sec. 11, T. 17 S., R. 12 E., G. & S. R. B. & M., Arizona.

The survey of the Wedge lode, Owl lode, and Bland lode is identical with the respective locations as marked on the ground except as previously shown.

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 his grantors are as follows:

- No. 1 The discovery point of the Wedge lode, being on the lode line 1106.80 ft. from the center of line 2-3.
No value.
- No. 2 A shaft, 5 x 12 ft., 4 ft. deep, the center of which bears N. 57° E., 180 ft. from cor. No. 4, Wedge lode.
Value, \$120.
- No. 3 A shaft, 5 x 8 ft., 10 ft. deep, the center of which bears N. 57° E., 315 ft. from cor. No. 4, Wedge lode.
Value, \$200.
- No. 4 A shaft, 5 x 10 ft., 50 ft. deep, the center of which bears N. 68° E., 445 ft. from cor. No. 4 Wedge lode.
Value, \$1000.

Chats	
No. 5	A Bulldozer Cut, 6 ft. wide, 3 ft. deep; the North end of which bears N. 73° E., 570 ft. from cor. No. 4, Wedge lode; runs S. 45° E., 12 ft. Value, \$20.
No. 6	A shaft, 5 x 6 ft., 10 ft. deep; the center of which bears N. 61° E., 515 ft. from cor. No. 4, Wedge lode. Value, \$150.
No. 7	A diamond drill hole, 3 ins. diam., 167 ft. deep, the center of which bears N. 60° E., 550 ft. from cor. No. 4, Wedge lode. Value, \$1000.
No. 8	A cut, 6 ft. wide, the face of which bears N. 57° E., 530 ft. from cor. No. 4, Wedge lode; runs 12 ft. to 5 ft. face. Value, \$90.
No. 9	A shaft, 4 x 4 ft., 14 ft. deep, the center of which bears N. 57° E., 645 ft. from cor. No. 4, Wedge lode. Value, \$100.
No. 10	A shaft, 5 x 6 ft., 400 ft. deep, the center of which bears N. 57° E., 665 ft. from cor. No. 4, Wedge lode. Value, \$8000.
No. 11	A shaft, 5 x 6 ft., 400 ft. deep, the center of which bears N. 57° E., 710 ft. from cor. No. 4, Wedge lode. Value, \$8000.
No. 12	A cut, 50 ft. wide, the face of which bears S. 52° W., 535 ft. from cor. No. 2, Wedge lode; runs North, 60 ft. to 15 ft. face. Value, \$2250.
No. 13	A shaft, 8 x 5 ft., 100 ft. deep, the center of which bears S. 45° W., 505 ft. from Cor. No. 2, Wedge lode. Value, \$2000.
No. 14	A shaft, 6 x 5 ft., 30 ft. deep, the center of which bears S. 44° W., 515 ft. from cor. No. 2 Wedge lode. Value, \$450.
No. 15	A shaft, 5 x 6 ft., 70 ft. deep, the center of which bears S. 43° W., 500 ft. from cor. No. 2, Wedge lode. Value, \$1400.
No. 16	A cut, 5 ft. wide, the face of which bears S. 35° W., 380 ft. from cor. No. 2, Wedge lode; runs N. 15° W., 15 ft. to 6 ft. face. Value, \$100.
No. 17	A cut, 6 ft. wide, the face of which bears S. 30° W., 440 ft. from cor. No. 2, Wedge lode; runs N. 21° W., 30 ft. to 10 ft. face. Value, \$400.
No. 18	A trench, 4 ft. wide, 5 ft. deep, the East end of which bears N. 40° W., 245 ft. from cor. No. 3, Wedge lode; runs S. 50° W., 75 ft. Value, \$300.

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- No. 19 A cut, 5 ft. wide, the face of which bears S. 3° W., 300 ft. from cor. No. 2, Wedge lode; runs S. 69° E., 50 ft. to 10 ft. face.
Value, \$500.
- No. 1 The discovery point of the Owl lode, being on the lode line 50 ft. from the center of line 4-1.
No value.
- No. 2 A shaft, 5 x 6 ft., 8 ft. deep, the center of which bears S. 19° E., 250 ft. from cor. No. 1, Owl lode.
Value, \$120.
- No. 1 The discovery shaft of the Bland lode, the center of which being the discovery point, is on the lode line 100 ft. from the center of line 4-1, 5 x 6 ft. 8 ft. deep.
Value, \$120.
- No. 2 A shaft, 5 x 6 ft., 3 ft. deep, the center of which bears N. 7° 30' E., 330 ft. from cor. No. 4, Bland lode.
Value, \$45.
- No. 3 A trench, 4 ft. wide, 4 ft. deep, the North end of which bears N. 5° 30' E., 310 ft. from cor. No. 4, Bland lode; runs South 12 ft.
Value, \$100.
- No. 4 A shaft, 8 x 6 ft., 30 ft. deep, the center of which bears N. 05° W., 325 ft. from cor. No. 4, Bland lode.
Value, \$600.
- No. 5 A shaft, 5 x 5 ft. deep, the center of which bears N. 5° W., 290 ft. from cor. No. 4, Bland lode.
Value, \$50.
- No. 6 A shaft, 5 x 4 ft., 50 ft. deep, the center of which bears N. 1° E., 285 ft. from cor. No. 4, Bland lode.
Value, \$500.
- No. 7 A shaft, 8 x 4 ft. deep, the center of which bears N. 2° E., 240 ft. from cor. No. 4, Bland lode.
Value, \$480.
- No. 8 A shaft, 6 x 6 ft., 25 ft. deep, the center of which bears N. 10° E., 80 ft. from cor. No. 4, Bland lode.
Value, \$450.
- No. 9 A shaft, 5 x 5 ft., 35 ft. deep, the center of which bears N. 25° E., 90 ft. from cor. No. 4, Bland lode.
Value, \$530.
- No. 10 A shaft, 5 x 6 ft., 100 ft. deep, the center of which bears N. 35° E., 60 ft. from cor. No. 4, Bland lode.
Value, \$2000.
- No. 11 A cut, 40 ft. wide, the face of which bears N. 33° E., 150 ft. from cor. No. 4, Bland lode; runs North 70 ft. to 14 ft. face.
Value, \$3900.
- No. 12 A shaft, 5 x 5 ft., 30 ft. deep, the center of which bears N. 22° E., 370 ft. from cor. No. 4 Bland lode.
Value, \$450.
- No. 13 A cut, 5 ft. wide, the face of which bears S. 64° W., 700 ft. from cor. No. 3, Bland lode; runs N. 5° E., 20 ft. to 8 ft. face.
Value, \$200.

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No. 14 A diamond drill hole, 100 ft. deep, the center of which bears N. 82° E., 535 ft. from cor. No. 1, Bland lode.
Value, \$600.

No. 15 A diamond drill hole, 100 ft. deep, the center of which bears N. 76° E., 485 ft. from cor. No. 1, Bland lode.
Value, \$600.

An interest in a common improvement described as follows:

An inclined shaft, 6 x 8 ft., 300 ft. deep, the center of which bears N. 60° E., 605 ft. from Cor. No. 4, Bland lode; with workings at 104 ft. and 149 ft. (vertically) below the collar. Horizontal workings 104 ft. level total about 120 ft. of drift, 4 x 6 ft. in size; workings on the 149 ft. level total about 220 ft. of drift, 4 x 6 ft. in size; this level connects with the Old Main Shaft (No. 11 on the Wedge lode).

Value of shafts and drifts, \$15,000.

Value of one-third interest, \$5000.

This improvement develops the deposit at depth, and explores the structures along the strike of the deposit to the benefit of the three lodes of this survey, all of which lie within the range of influence of these workings.

Five hundred dollars or over has been expended in this improvement, in such a manner as tends to the development of each lode of this survey subsequent to its location and to the time since which common ownership and contiguity have prevailed.

No portion of or interest in this improvement has been credited heretofore as patent expenditure to any lode claim.

OTHER IMPROVEMENTS

A concrete house, the NW. corner of which bears S. 34° E., 275 ft., from cor. No. 1, Bland lode; 26 x 14 ft. in size; the long side bears Due South.

Claimant herein.

A frame bunk house, the SW. corner of which bears N. 46° E., 330 ft. from cor. No. 4, Bland lode; 26 x 25 ft. in size; the long side bears N. 15° W.

Claimant herein.

A frame shed, the SW. corner of which bears N. 50° E., 415 ft. from the cor. No. 4, Bland lode; 12 x 10 ft. in size; the long side bears N. 15° W.

Claimant herein.

A powder magazine, 4 x 4 ft. in size, 12 ft. long, bears N. 84½° E., 390 ft. from Cor. No. 1 of the Wedge lode.

Claimant herein.

OTHER CORNER DESCRIPTION AND SUPPLEMENTAL DATA

None

FIELD ASSISTANTS

James A. Yanez	Instrumentman
Frank M. Vasquez	Chainman
Joe D. Alvarez	Chainman
Eraclio Matrecito	Rodman
Leonard L. Gaskill	Rodman

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

April 28, 1961

I, ROBERT LENON,

Mineral Surveyor, hereby certify upon honor that in pursuance of an order received from the _____
Public Survey Office, at Phoenix, Arizona

dated March 13th, 1961, I have faithfully and correctly executed the survey of

the mining claim of LeRoy S. Martin,

known as the Bland, Owl, and Wedge lodes
(Lode, placer, or mill site)

situate in Sec. 11

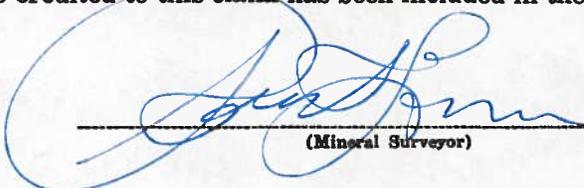
T. 17 South, R. 12 East, G & S R Meridian, Arizona, and
(State)

designated as Survey No. 4554, which is represented in the foregoing 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 expended and improvements made

upon or for the benefit of the Lode location(s) embraced in the said mining claim by
(Lode or placer)

claimant or his 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.

Patagonia, Arizona
(Place)


(Mineral Surveyor)

CERTIFICATE OF APPROVAL

Bureau of Land Management, Survey Office
(Office)

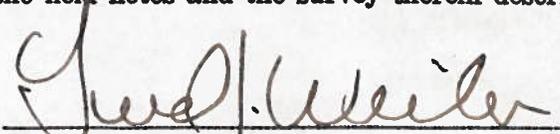
Phoenix, Arizona June 26, 1961
(Place) (Date)

The foregoing field notes of mineral survey No. 4554, in Sec. 11

, T. 17 S., R. 12 E., Gila & Salt River Meridian,

Arizona, executed by Robert Lenon, Mineral Surveyor,
(State)

under order dated March 13, 1961, having been critically examined and the necessary
corrections made prior to their certification by the surveyor, the field notes and the survey therein described
are hereby approved.


Fred J. Weiler
State Director
(Title)

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of field notes of the above described mineral survey No. _____
is a true copy of the original field notes.

(Title)

