

4-679
(April 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

BOOK 4251

FIELD NOTES

OF RETRACEMENT OF

S. 1/2 of East Boundary of Section 21

Township 11 North, Range 5 West

and

OF THE SURVEY OF

Alto No. 0 and Alto No. 1 Mining Claims

for segregation from Section 21 of

Township 11 North, Range 5 West

Of the Gila and Salt River Meridian,

In the State of ARIZONA

EXECUTED BY

Raymond F. Moss, Public Land Surveyor

Under special instructions dated July 13, 1939, which provided for the surveys included under Group No. 228, Arizona bearing the approval of the Commissioner of the General Land Office under date of August 23, 1939 and assignment instructions dated November 22, 1939

Retracement and Survey commenced June 10, 1940

Retracement and Survey completed June 24, 1940

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INDEX DIAGRAM.

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The retracement and surveys herein described were executed by Raymond F. Moss, Public Land Surveyor, using Gurley transit No. 371537. This instrument is equipped with an improved Smith solar attachment and otherwise conforms to the standard specifications of the General Land Office. The instrument was examined and tested by the District Cadastral Engineer for California and Arizona prior to the beginning of the surveys of this group, and was approved conditional upon satisfactory results of field tests of same.

The azimuth of all the lines of survey herein described were determined with the solar attachment.

All measurements were made with a Dietzgen steel tape, 5 chs. in length, graduated every link for the first 100 lks., and the remainder at intervals of 10 lks. The tape was tested by comparison with a Lufkin standard tape and found correct. All of the measurements were made on the slope, the vertical angle of each interval determined with a clinometer in good adjustment, and the horizontal equivalents entered in the field notes.

PRELIMINARY FIELD TEST OF INSTRUMENT

June 10, 1940; at a station near the NW. location cor. of the Alto No. 1 mining claim, in the NE $\frac{1}{4}$ SE $\frac{1}{4}$ of sec. 21, T. 11 N., R. 5 W., Gila and Salt River Meridian, Arizona, in latitude 34°16'30" N., and longitude 112°46'45" W., examine the adjustments of Gurley transit No. 371537 and find no errors. Watch reads correct 105th meridian time as checked by comparison with Western Union Telegraph Co. clock. To test workings of the solar apparatus of this instrument, proceed as follows:

At 7h. 10m., a.m., l.m.t., make an hour angle observation on Polaris east of the meridian, making four observations, two each with the telescope in direct and reversed positions, and reading the deflection angles from a flag set on a hill about 15 chs. northeasterly, west to Polaris;

Mean watch time of observations, a.m.	7h. 41m. 07s.
Watch fast of l.m.t.	31m. 07s.

Mean horizontal angle from Polaris	
------------------------------------	--

E. to reference point	37°48'
Azimuth of Polaris	<u>0°25'</u>

True bearing of reference point	N. 38°13' E.
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June 10, 1940; at same station; at 9h. 00m., a.m., app. t., set off 34°16 $\frac{1}{2}$ ' N. on the latitude arc; 23°02 $\frac{1}{2}$ ' N. on the declination arc; and determine a meridian with the solar, which agrees with the true meridian.

At app. noon, with the latitude arc unchanged; observe the sun on the meridian and obtain a reading of 23°03' N. on the declination arc, which agrees with the computed declination of the sun.

At 3h. 00m., p.m., app. t., with the latitude arc unchanged; set off 23°04' N. on the declination arc, and determine a meridian with the solar, which agrees with the true meridian.

As all of the solar observations made during the usual hours of solar work come within 1'30" of the true meridian, conclude that this instrument is in satisfactory adjustment on this date, on which the surveys herein described are begun.

Retracement of $S\frac{1}{2}$ of E. bdy. of sec. 21, T. 11 N., R. 5 W.

2.

Chains	<p>The E. bdy. of sec. 21, T. 11 N., R. 5 W. was surveyed by O.H. Case, U.S. Deputy Surveyor, in 1871. The S., W., and N. bdys. were surveyed, and the E. bdy. resurveyed by T.O. Johnston and D.R. Averill, U.S. Surveyors, in 1916, 1917, and 1919. No other resurveys of this section are of record.</p> <p>The following notes describe the retracement of the $S\frac{1}{2}$ of the E. bdy. of sec. 21.</p>
	<p>The cor. of secs. 21 and 28, is an iron post, 2 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by a mound of stone W.</p> <p>Thence</p> <p>N. $0^{\circ}07'$ W., on random line, along E. bdy. of sec. 21.</p> <p>Over rolling land, thru scattering timber and medium undergrowth.</p> <p>Descend 26 ft. to small sand wash.</p>
8.68	<p>Intersect the SW. side line of the Alto No. 1 mining claim.</p> <p>From this point: cor. No. 2, bears N. $52^{\circ}25'$ W., 17.55 chs. dist., and cor. No. 1, bears S. $52^{\circ}25'$ E., 3.61 chs. dist. These corners are hereinafter described.</p>
12.62	<p>Small sand wash, course N. 65° E.; descend 17 ft.</p>
19.08	<p>Small sand wash, course N. 56° E.; descend 9 ft. to dry creek bed.</p>
19.85	<p>Road, bears N. 55° W. and S. 55° E.</p>
20.04	<p>Intersect the NE. side line of the Alto No. 1 mining claim.</p> <p>From this point: cor. No. 3, bears N. $52^{\circ}17'$ W., 11.60 chs. dist., and cor. No. 4, bears S. $52^{\circ}17'$ E., 10.96 chs. dist. These corners are hereinafter described.</p>
26.55	<p>Right bank of dry, rocky creek bed, course S. 30° E.</p>
29.25	<p>Left bank of creek bed; ascend 141 ft. over SW. slope.</p>
38.50	<p>Granite reef on top of spur, slopes S. 38° E.; descend 9 ft. over NE. slope.</p>
39.705	<p>The $\frac{1}{4}$ sec. cor. of sec. 22, which is an iron post, 1 in. in diam., projecting 10 ins. above ground, firmly set, properly marked on brass cap, and witnessed by a mound of stone E.</p>
40.00	<p>Intersect the $\frac{1}{4}$ sec. cor. of sec. 21, which is an iron post, 1 in. in diam., projecting 10 ins. above ground, firmly set, properly marked on brass cap, and witnessed by a mound of stone W.</p> <p>As the random and true lines are identical in bearing, true line measurements to topographic features and mineral claim bdys. are as above recorded.</p>

Survey of the Alto No. 0 and Alto No. 1 mining locations.

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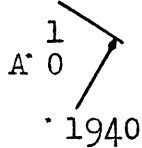
3.

Chains The following notes describe a metes-and-bounds survey of two tracts of land in the SW $\frac{1}{4}$ of sec. 22, and the SE $\frac{1}{4}$ of sec. 21, T. 11 N., R. 5 W., classified as mineral bearing, but not covered by mineral patent surveys, known as the Alto No. 0 and Alto No. 1 mining claims. The claims were located and recorded January 2, 1924, by J.E.Pawley. The present claimant, Lester L. Jaycox, was present at the time of survey and identified the corners of the locations.

The purpose of the survey of these claims is to segregate them from the E $\frac{1}{2}$ SE $\frac{1}{4}$ of sec. 21 and provide legal designation and area for the Enlarged Homestead Entry of John M. Hargus, Phoenix 066371, which covers said subdivision.

ALTO NO. 0 MINING CLAIM

Begin at the NE. cor. of the location, which is a mound of stone, 4 $\frac{1}{2}$ ft. base, and 3 ft. high. Remove the stone mound and at its center, set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for cor. No. 1, with brass cap marked



from which

An oak, 5 ins. in diam., bears S. 83 $\frac{1}{4}$ ° W., 58 lks. dist., marked A0 1 BT.

An oak, 7 ins. in diam., bears N. 33 $\frac{1}{2}$ ° W., 83 lks. dist., marked A0 1 BT.

Raise a mound of stone, 3 $\frac{1}{2}$ ft. base, 3 ft. high, W. of cor.

From this cor.,

The E. $\frac{1}{4}$ sec. cor. of sec. 21, hereinbefore described, bears N. 35°16'35" E., 15.82 chs. dist.

Thence

S. 31°09' W., on SE. end line (1-2) of Alto No. 0 mining claim.

Over rolling mountainous land, thru scattering timber and dense undergrowth.

Ascend 18 ft. over gentle NE. slope.

0.40 Road, bears NW. and SE.

4.50 Intersect the southeasterly end center location monument of this claim, which is a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high.

From this monument,

A deep vertical shaft, bears N. 49°30' W., 2.50 chs. dist.

Portal of a tunnel, bears N. 50°00' W., 3.80 chs. dist.

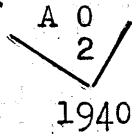
Ascend 28 ft. over NE. slope to

Survey of the Alto No. 0 and Alto No. 1 mining locations.

4.

Chains

9.05 Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in ground, for cor. No. 2, with brass cap marked



No bearing trees available.

Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor.

From this cor.,

The SE. location cor. of this claim, which is a mound of stone, 4½ ft. base, 4 ft. high, bears S. 19°08' W., 7 lks., dist.

Cor. No. 2 of the Alto No. 1 mining claim, hereinafter described, bears S. 20°14'30" E., 8 lks. dist.

Thence

N. 56°15'30" W., on SW. side line (2-3).

Ascend 72 ft. over NE. slope.

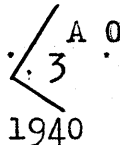
3.55 Prospect hole, 6x6x5 ft. deep.

8.75 Spur, slopes N. 70° E.; descend 71 ft. over NW. slope.

14.10 Rocky wash in canyon, course NE.; ascend 163 ft. over SE. slope.

20.00 Portal of caved in tunnel, bears N., 62 lks. dist.

22.74 Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in ground, for cor. No. 3, with brass cap marked



No bearing trees available.

Raise a mound of stone, 2½ ft. base, 2 ft. high, E. of cor.

From this cor.,

The SW. location cor. of this claim, which is a mound of stone, 4 ft. base, 3½ ft. high, bears N. 56°03' W., 21½ lks. dist.

Thence

N. 31°09' E., on NW. end line (3-4).

Ascend slightly over SE. slope.

0.55 Spur, slopes E.; descend 114 ft. over NE. slope.

4.10 The northwesterly end center location monument of this claim, which is a 5 ft. section of sheet iron pipe with a riveted spiral seam, 4 ins. in diam., set in a mound of stone, 5 ft. base, 3½ ft. high, bears N. 57°23' W., 1.35 chs. dist.

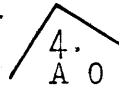
Survey of the Alto No. 0 and Alto No. 1 mining locations.

5.

Chains

8.60

Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for cor. No. 4, with brass cap marked



1940

No bearing trees available.

Raise a mound of stone, 2½ ft. base, 2 ft. high, S. of cor.

From this cor.,

The NW. location cor. of this claim, which is a 6 ft. section of sheet iron pipe with a riveted spiral seam, 4 ins. in diam., set in a mound of stone, 2½ ft. base, 2 ft. high; bears N. 57°23' W., 98 lks. dist.

Thence

S. 57°23' E.; on NE. side line (4-1).

Descend 53 ft. over E. slope.

2.90 Ravine, course N.; ascend 78 ft. over NW. slope.

9.45 Spur, slopes NE.; descend 116 ft. over E. slope.

16.62 Dry wash, 10 lks. wide, course N. 75° E.

From this point,

NE. end of old mine dump, bears S. 68° W., 3.60 chs. dist.

Portal of mine tunnel, bears S. 82°45' W., 5.60 chs. dist.

Thence, across old tailings dump.

17.60 E. edge of tailings dump; descend 5 ft. over rolling land.

18.40 Old road, bears N. 80° E. and S. 80° W.

21.20 Road, bears NW. and SE.

22.73 Intersect cor. No. 1, identical with original location cor.

ALTO NO. 1 MINING CLAIM

Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for cor. No. 1, with brass cap marked



1940

from which

An oak, 6 ins. in diam., bears S. 23½° W., 119 lks. dist., marked A 1 BT.

An oak, 6 ins. in diam., bears S. 85¼° W., 166 lks. dist., marked A 1 BT.

. Survey of the Alto, No. 0 and Alto, No. 1 mining locations.

6.

Chains

From this cor.,

The SE. location cor. of this claim, which is a mound of stone, $3\frac{1}{2}$ ft. base, 2 ft. high, bears S. $48^{\circ}35'$ W., 8 lks. dist.

The cor. of secs. 21 and 28, T. 11 N., R. 5 W., hereinbefore described, bears S. $23^{\circ}38'$ W., 7.09 chs. dist.

Thence

N. $52^{\circ}25'$ W., on SW. side line (1-2) of Alto No. 1 mining claim.

Over rolling land, thru scattering timber and dense undergrowth.

Ascend 5 ft.

3.61. Intersect the E. bdy. of sec. 21, T. 11 N., R. 5 W., at a point, N. $0^{\circ}07'$ W., 8.68 chs. from the cor. of secs. 21 and 28.

7.35 Sandy wash, 5 lks. wide, 2 ft. deep, course N. 59° E.; ascend 3 ft.

10.30 Sandy wash, 5 lks. wide, $1\frac{1}{2}$ ft. deep, course N. $32\frac{1}{4}^{\circ}$ E.; ascend 44 ft. over gentle NE. slope to

21.16 Intersect the SW. location cor. of the claim, which is a 5 ft. section of sheet iron pipe with a riveted spiral seam, 4 ins. in diam., set in a mound of stone, 5 ft. base, $3\frac{1}{2}$ ft. high. Remove the stone mound and iron pipe and in same place, set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground with the 4 in. pipe reset on W. side, for cor. No. 2, with brass cap marked

1940

No bearing trees available.

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, E. of cor.

From this cor.,

Cor. No. 2 of the Alto No. 0 mining claim, hereinbefore described, bears N. $20^{\circ}14'30''$ W., 8 lks. dist.

Thence

N. $31^{\circ}09'$ E., on NW. end line (2-3).

Descend 28 ft. over gentle NE. slope.

4.60 Intersect the northwesterly end center location cor. of this claim, which is a 5 ft. section of sheet iron pipe with a riveted spiral seam, 4 ins. in diam., set in a mound of stone, 4 ft. base, 2 ft. high.

Descend 18 ft. over NE. slope.

8.70 Road, bears NW. and SE.

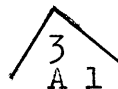
9.10 Intersect the NW. location cor. of the claim, which is a mound of stone, $3\frac{1}{2}$ ft. base, $2\frac{1}{2}$ ft. high. Remove the stone mound and at its center, set an iron post, 3 ft.

Survey of the Alto No. 0 and Alto No. 1 mining locations.

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7.

Chains long, 1 in. in diam., 30 ins. in the ground, for cor. No. 3, with brass cap marked



1940

from which

An oak, 6 ins. in diam., bears N. 74° E., 98 lks. dist., marked Al 3 BT.

An oak, 6 ins. in diam., bears S. 34½° E., 28 lks. dist., marked Al 3 BT.

Raise a mound of stone, 2½ ft. base, 2 ft. high, S. of cor.

Cor. No. 1 of Alto No. 0 mining claim bears N. 58° 53' W., 6 lks. dist.

Thence

S. 52° 17' E., on NE. side line (3-4):

Descend 19 ft. over rolling land:

12.70 Sandy wash, 5 lks. wide, 1½ ft. deep, course N. 69¾° E.

13.75 Road, bears N. 55° W. and S. 55° E.

16.70 Dry wash, 8 lks. wide, 2½ ft. deep, course N. 55° E.; descend 3 ft.

22.56 Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for cor. No. 4, with brass cap marked



1940

from which

An oak, 7 ins. in diam., bears N. 12¾° E., 137 lks. dist., marked Al 4 BT.

An oak, 6 ins. in diam., bears S. 7° E., 86 lks. dist. marked Al 4 BT.

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

From this cor.,

The NE. location cor. of the claim, bears S. 52° 17' E., 82 lks. dist.

A prospect hole, 8x8x5 ft. deep, bears N. 84° 48' W., 6.60 chs. dist.

Thence

S. 31° 09' W., on SE. end line (4-5).

Ascend 9 ft.

3.85 Short gully, 6 lks. wide, 4 ft. deep, course N. 70° E.; ascend 7 ft.

4.48 Intersect the southeasterly end center location cor. of the claim, which is a 5 ft. section of sheet iron pipe, 4 ins. in diam., set in a mound of stone, 4 ft. base, 2 ft. high. Remove the stone mound and iron pipe and

Survey of the Alto No. 0 and Alto No. 1 mining locations.

8.

Chains in same place, set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground with the 4 in. pipe reset on E. side, for cor. No. 5, with brass cap marked

A 5
1
1940

No bearing trees available.

Raise a mound of stone, 2½ ft. base, 2 ft. high, NW. of cor.

Thence

Continuing on the SE. end line,

S. 48°35' W., on line (5-1).

Ascend slightly.

4.63 Intersect cor. No. 1, the place of beginning.

FINAL FIELD TEST OF INSTRUMENT

June 24, 1940; at the station near the NW. location cor. of the Alto No. 1 mining claim, in sec. 21, T. 11 N., R. 5 W., Gila and Salt River Meridian, Arizona, in latitude 34°16'30" N., and longitude 112°46'45" W., examine the adjustments of Gurley transit No. 371537 and find no errors. Then, using the reference point determined at this station by Polaris observation on June 10, 1940, as described at the beginning of these field notes, test the solar apparatus of this instrument as follows:

At 9h. 00m., a.m., app.t., set off 34°16½' N. on the latitude arc; 23°25' N. on the declination arc; and determine a meridian with the solar, which agrees with the true meridian.

At app. noon, with the latitude arc unchanged; observe the sun on the meridian, and obtain a reading of 23°25' N. on the declination arc, which agrees with the computed declination of the sun.

At 3h. 00m., p.m., app.t., with the latitude arc unchanged; set off 23°24½' N. on the declination arc, and determine a meridian with the solar, which agrees with the true meridian.

As all of the solar observations made during the usual hours of solar work come within 1'30" of the true meridian, conclude that this instrument is in satisfactory adjustment on this date, and has remained in such condition thruout the surveys described in the foregoing field notes.

NOTICE OF MINING LOCATION
Lode Claim

BOOK 4251

0109
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TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the Alto No. 0 Mining Claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purposes of exploration and purchase by J.M. Pawley a citizen of U.S.A.M. the undersigned, on the first day of July 5 o'clock P.M. A.D., 1925.

The length of this claim is 1,500 feet, and I claim 800 feet, in a Easterly direction and 700 feet in a Westerly direction from the center of the discovery shaft, cutt at which this notice is posted, lengthwise of the claim, together with 300 feet in width of the surface grounds, on each side of the center of said claim. The general course of the lode deposit and premises is from the Easterly to the Westerly.

The claim is situated and located in the Wever Mining District, in Yavapai County, in the State of Arizona, about 3 miles in a Westerly direction from Genung Ranch in Peopels Valley.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at -- at a point in an Easterly direction 800 feet from the discovery shaft cutt (at which this notice is posted), being in the center of the East end line of said claim; thence Sutherly 300 feet to a monument of stone, being the S.E. corner of said claim; thence westerly 1,500 feet to a monument of stone, being at the S.W. corner of said claim; thence northerly 300 feet to a monument of stone at the center of the West end of said claim; thence northerly 300 feet to a monument of stone being at the N.W. corner of said claim; thence Easterly 1,500 feet to a monument of stone at the N.E. corner of said claim; thence sutherly 300 feet to the place of beginning.

Dated and posted on the grounds this first day of July 5 o'clock P.M. A.D. 1925.

Witnessess

Locator

J.M.Pawley

J.M. Edington

J.E.Pawley

Filed and Recorded at Request of J. E. Pawley,
Aug. 17, A.D. 1925 at 2:00 o'clock P.M.
Book 125 of Mines
Page 186
Records of Yavapai County Arizona.

Grace Chapman
County Recorder.
By Agnes Pourchot
Deputy Recorder.

(SEAL)

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STATE OF ARIZONA,)
County of Yavapai) ss.

I, GRACE CHAPMAN, County Recorder in and for the County of Yavapai, State of Arizona, and Custodian of the Records of such office, do hereby certify that the foregoing are full, true and complete copies of the Notices of Location of the "Grub Stake", "Home", Placer Mining Claims, and "Alto No. 0" and "Alto No. 1" Lode Mining Claims, as the same appear of record in my office, in Books 45 of Mines, 68 of Mines, 125 of Mines, and 123 of Mines, respectively, at Pages 597, 421, 186, and 342 respectively, and of the whole thereof.

(SEAL)

IN WITNESS WHEREOF, I have here-
unto set my Hand and affixed my
Official Seal in the City of
Prescott, County of Yavapai, and
State of Arizona, on this the 20th
day of March, A.D. 1931.

(Signed) GRACE CHAPMAN
County Recorder.

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CERTIFICATE OF SURVEYOR

BOOK 4251

I, Raymond F. Moss, Assistant Cadastral Engr., HEREBY CERTIFY upon honor that, in
pursuance of special instructions bearing date of the 13th day of July, 1939
received from the district cadastral engineer for Arizona, with assignment
instructions dated November 22, 1939, I have retraced the S $\frac{1}{2}$ of E. bdy. of sec.
21, and surveyed the Alto No. 0 and Alto No. 1 mining locations in
secs. 21 and 22, of
Township 11 North, Range 5 West
of the Gila and Salt River Meridian, in the State of Arizona, which are
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 instructions, 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.
Phoenix, Arizona
November 5, 1940

Raymond F. Moss
Assistant Cadastral Engineer

CERTIFICATE OF APPROVAL

OFFICE OF SUPERVISOR OF SURVEYS,
Denver, Colorado FEB 4, 1941

The foregoing field notes of the retracement of the S $\frac{1}{2}$ of E. bdy. of sec. 21,
and of the survey of the Alto No. 0 and Alto No. 1 mining locations in
secs. 21 and 22, of Township 11 North, Range 5 West
of the Gila and Salt River Meridian, in the State of Arizona.
executed by Raymond F. Moss, Public Land Surveyor
under special instructions dated July 13, 1939 for Group 228, Arizona, and assignment
instructions dated November 22, 1939, having been critically examined, and
the necessary corrections made prior to their certification by the engineer, the said field notes, and the survey
therein described, are hereby approved.

Wanda J. Plummer
Supervisor of Surveys.

CERTIFICATE OF TRANSCRIPT

I certify that the foregoing transcript of the field notes of the above-described surveys in
is a true copy of the original field notes on file in the public survey office.

Supervisor of Surveys.