

4-688

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

MINERAL SURVEY NO. 4241

Arizona Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

Rosie Price and C. A. Baker

Known As The

Triangle lode

Ajo Mining District,

Pima County, Arizona

Section 27, Township 12 South, Range 6 West, G. & S. R. M.

Surveyed under instructions dated June 17, 1940.

by *[Signature]*
Mineral Surveyor, G.L.O.

Claim located October 22, 1927

Survey commenced June 20, 1940

Survey completed June 26, 1940

Address of claimants' agent: Walter Zitlau,
Box 912, Ajo, Arizona.

DATES OF AMENDED LOCATIONS

Mineral Survey No. 4241

Mineral Survey No. 4241 was made with a Lietz Precise Transit No. 9509, with horizontal limb 6 ins. diam., having two double opposite verniers, and full vertical circle $4\frac{3}{4}$ ins. diam., having one double vernier; the verniers read to one minute of arc. The instrument was in good condition at the time of the survey, and all adjustments were in good order. A p.m. altitude observation on the sun for azimuth was made at the point of beginning, the details of which observation are shown on the calculation sheets herewith submitted for examination. As the transit used was not equipped with a top telescope nor a prism eye-piece it was impossible to make an altitude observation on the sun at noon for latitude, and this value was taken from the township plat, as shown on the accompanying calculation sheets. All azimuths referred to in this record are referred to the true meridian thus determined by the method of deflection angles and calculated courses.

The lines were measured with a Lufkin steel tape 100 ft. in length, graduated every foot throughout its length, with the last foot on each end graduated to tenths. This tape was compared with a Lufkin standard after the completion of the survey, and found correct.

All lines and connections of this survey were run by direct methods where the lines are accessible; the inaccessible tie to the corner of the public land survey was made by a traverse, as shown by the calculation sheets herewith submitted for examination.

The magnetic variation observed at each corner of the survey gave a uniform value of $13^{\circ}30'$ E.

Feet

TRIANGLE LODGE

Beginning at Cor. No. 1 of the Triangle lode, where I --

Set an iron pipe, 3 ins. diam., 42 ins. long, 12 ins. in the ground, in concrete, for Cor. No. 1, mkd. T-1-4241 on a copper plate soldered to the side of the pipe near the top; from which

The quarter corner common to Secs. 27 and 28, T. 12 S., R. 6 W., Gila and Salt River Meridian, bears $N 84^{\circ}18'30'' W$, 1482.92 ft. dist.; an iron post, 1 in. diam., 18 ins. above ground, firmly set and properly marked.

Cor. No. 1, Sur. No. 4240, Bull Dog lode, bears $S 79^{\circ}45' W$, 90.00 ft. dist.

Thence $N 7^{\circ}16' W$

205.00 Center of wagon road, bears $N 70^{\circ} E$ and $S 70^{\circ} W$.

300.00 Intersect the lode line at the west end center of location, an iron pipe, 3 ins. diam., 42 ins. long, 12 ins. in the ground, in concrete, mkd. WEC-T-4241 on a copper plate soldered to the side of the pipe near the top.

555.00 Center of wagon road, bears $N 30^{\circ} W$ and $S 70^{\circ} E$.

600.00 Cor. No. 2

Set an iron pipe, 3 ins. diam., 42 ins. long, 12 ins. in the ground, in concrete, for Cor. No. 2, mkd. T-2-4241 on a copper plate soldered to the side of the pipe near the top; from which

Cor. No. 5, Sur. No. 1526, Main Stay lode, identical with Cor. No. 4, Sur. No. 1526, Arkansas lode bears

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Feet	S 62°37' E, 462.90 ft. dist. Thence S 88°25' E
424.90	Set an iron pipe, 3 ins. diam., 42 ins. long, 12 ins. in the ground, in concrete, for witness Cor. No. 3, mkd. WC-T-3-4241; from which Cor. No. 5, Sur. No. 1526, Main Stay lode, bears S 2°54' W, 201.70 ft. dist.; said witness corner is set on the intersection of line 2-3 of this survey and line 5-6, Sur. No. 1526, Main Stay lode.
615.00	Toe of waste dump from open-pit operations.
1425.00	Cor. No. 3 This corner falls on a waste dump from open-pit operations where a permanent monument cannot be established. Thence S 7°16' E from true corner point
150.00	Toe of waste dump from open-pit operations.
199.30	Intersect Cor. No. 2, Sur. No. 4196, Colorado #3 lode.
204.80	Intersect line 4-5 Sur. No. 1526, Main Stay lode, where I find an iron pipe, 4 ins. diam., 42 ins. above ground in concrete, mkd. (incorrectly) C3-4196, MS 1526 on a copper plate soldered to the side of the pipe near the top. I riveted a copper plate to the side of the pipe near the top mkd. WC-T-3-4241, as a witness Cor. No. 3; from which Cor. No. 5, Main Stay lode, Sur. No. 1526, bears N 88°22' W, 1079.80 ft. dist.
256.05	Intersect line 4-1 Sur. No. 1526, Arkansas lode, at a point from which Cor.
300.00	Intersect the lode line at the east end center of location a cross on a porphyry outcrop, mkd. EEC-T-4241.
307.40	Cor. No. 4 (No. 4 of said lode bears N. 85°36' W. 1048.95 ft. On line 1-2 Sur. No. 4196, Colorado #3 lode. Identical with Cor. No. 2, Sur. No. 4240, Bull Dog lode, an iron pipe, 3 ins. diam., 36 ins. above bedrock, in concrete. On the original copper plate soldered to the side of the pipe near the top I mkd. T-4-4241. Thence S 79°45' W
715.00	Center of wagon road, bears north and south.
1092.10	Intersect line 3-4, Sur. No. 1526, Arkansas lode at a point from which Cor. No. 3 bears S 7°54' W, 269.70 ft. dist.; and Cor. No. 4 bears N. 3° 54' E. 326.4 ft. dist.
1410.00	Cor. No. 1, and place of beginning.

LODE LINE

The presumed course of the vein of the lode location embraced in this survey, counted from the point of discovery, is as follows:

S 88°25' E, 570.00 ft., and N 88°25' W, 855.00 ft.

AREAS

Total area, Triangle lode.....	Acres 14.666
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Areas in conflict with:

Sur. No. 1526, Main Stay lode.....	4.729
Sur. No. 1526, Arkansas lode.....	4.573

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LOCATION

This survey is located in Sec. 27, of T.12 S., R.6 W., of the Gila and Salt River Meridian.

The survey of the Triangle lode is identical with the location as marked on the ground.

EXPENDITURE OF \$500

I certify that the value of the labor and improvements made upon the lode location embraced in said mining claim by the claimants or their grantors is not less than \$500, and that said improvements consist of:

No. 1 The discovery tunnel of the Triangle lode, the initial point of which being the discovery point, is on the lode line 570 ft. from a point on line 3-4, 700.00 ft. from Cor. No. 2; 5x7 ft. in size, which runs S 13°00' E, 39 ft. from the initial point, thence S 55°00' E, 18 ft. to breast.

Value \$200

No. 2 A tunnel, 5x7 ft. in size, the initial point of which bears N 83°50' W, 572 ft. from Cor. No. 4, and runs N 88°00' E, 27 ft. to breast.

No. 2 Value \$150

No. 3 A shaft, the center of which bears S 86°20' W, 605 ft. from Cor. No. 4; 4x6 ft., 15 ft. deep.

Value \$180

No portion of, or interest in, these improvements has been credited heretofore as patent expenditure to any lode claim.

OTHER IMPROVEMENTS

A shaft, the center of which bears N 86°00' W, 732 ft. from Cor. No. 4; 4x6 ft., 15 ft. deep.

A shaft, the center of which bears S 29°10' E, 278 ft. from Cor. No. 2; 4x6 ft., 40 ft. deep.

Claimant of each unknown.

OTHER CORNER DESCRIPTIONS

Sur. No. 1526, Main Stay lode: Cors. 5 & 6 are iron pipes, 4 ins. in diam., firmly set and properly marked. Cor. No. 4 has been obliterated by open-pit operations, I therefore assumed that the iron pipe on line 7-4 of Sur. No. 4241 marked the intersection of this line with line 4-5 of Sur. 1526, Main Stay lode as it was mkd. MS-1526, and is considered an interesection by the owners of the Main Stay. The bearing of line 4-5 was thus found to be N 88°22' W, instead of N 86°30' W, as approved. The bearing of line 5-6 was found to be N 3°54' E, instead of N 3°30' E as approved.

Sur. No. 1526, Arkansas lode: Cor. No. 3 is a badly scattered rock mound, post missing. Line 3-4 was found to be N 3°54' E, 596.10 ft., instead of N 3°30' E, 600.00 ft. as of record. Cor. No. 4 is identical with Cor. No. 5 Main Stay lode, Sur. No. 1526, above described. Cor. No. 1 has been obliterated by open pit operations; I accepted its position as shown by Sur. 4196, applying my correction for azimuth.

Sur. No. 4196, Colorado #3 lode: Cor. No. 1 is an iron pipe, firmly set and properly marked. Cor. No. 2 is a # to the lines involved and maintaining the angles and lengths as shown by Sur. 4196, in computing course and distance for line 4-1, which I find to be N 85°36' W. 1496.21 instead of N 86°30' W. 1500 ft. as approved.

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cross on a porphyry outcrop, properly marked. The bearing of line 1-2 was found to be N 7°16' W instead of N 7°15' W as of record.

Sur. No. 4240, Bull Dog lode: Cors. 1 & 2 are iron pipes, firmly set and properly marked, Cor. No. 2 being identical with Cor. No. 4 of this survey.

U.S. Mineral Monument No. 1 has become obliterated by open-pit operations.

ADJOINING CLAIMS

In addition to the adjoining claims hereinbefore referred to, this survey is adjoined on the north by the Fracture lode, unsur., J. J. Mertz, claimant, and on the west by the Fracture No. 1 lode, unsur., J. J. Mertz, claimant.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

FINAL OATHS FOR SURVEYS

LIST OF NAMES

A list of the names of the individuals employed by Robert Lenon

Mineral Surveyor, ^{G.L.O.} to assist in running, measuring, and marking the lines, corners, and boundaries described in the foregoing field notes of the survey of the mining claim of _____

Rosie Price and C.A. Baker

known as the TRIANGLE lode

and showing the respective capacities in which ^{he} ~~they~~ acted.

Philip C. Bowman, Chainman.

_____, Chainman.

_____, Axman.

_____, Flagman.

FINAL OATHS OF ASSISTANTS

~~We~~, I, Philip C. Bowman

^I ~~and~~ _____, do solemnly swear that ~~we~~ ^I assisted _____

Robert Lenon, ^{G.L.O.} ~~United States~~ Mineral Surveyor, ~~An~~ marking the corners and surveying

the boundaries of the mining claim of Rosie Price and C.A. Baker

known as the TRIANGLE lode

represented in the foregoing field notes as having been surveyed by said mineral surveyor and under his direction; and that said survey has been in all respects, to the best of ^{my} ~~our~~ knowledge and belief, faithfully and correctly executed, and the corner and boundary monuments established according to law and the instructions furnished by the Office Cadastral Engineer, at Phoenix, Arizona

Philip C. Bowman, Chainman.

_____, Chainman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to by the above-named persons before me this 24th

day of July, 1940.

Philip C. Bowman
Notary Public.

My Commission Expires
March 1, 1941.

FINAL OATH OF ~~U.S.~~ MINERAL SURVEYOR, G.L.O.

I, Robert Lenon, ~~U.S.~~ Mineral Surveyor, GLO

do solemnly swear that, in pursuance of instructions received from the Office Cadastral Engineer, at Phoenix, Arizona, dated June 17, 1940,

I have, in strict conformity to the laws of the United States, the official regulations and instructions thereunder, and the instructions of said Office Cadastral Engineer, faithfully and correctly executed the survey of the mining claim of

Rosie Price and C.A. Baker, known as the TRIANGLE lode,

situate in Ajo Mining District, Pima County, Arizona, in Section 27, Township No. 12 South, Range No. 6 West

and designated as Survey No. 4241, as represented in the foregoing field notes, which accurately show the boundaries of said mining claim as distinctly marked by monuments on the ground, and described in the attached copy of the location certificate, which was received by me from the Office Cadastral Engineer with said instructions, and that all corners of said survey have been established and perpetuated in strict accordance with the law, official regulations and instructions thereunder; and I do further solemnly swear that the foregoing are the true and original field notes of said survey and my report therein, and that the labor expended and improvements made upon said mining claim by claimants or their grantors are as therein fully stated, and that the character, extent, location, and itemized value thereof are specified therein with particularity and full detail, and that no portion of said labor or improvements so credited to this claim has been included in the estimate of expenditures upon any other claim.

Robert Lenon
(~~U.S.~~ Mineral Surveyor) G.L.O.

Subscribed and sworn to by the said Robert Lenon G.L.O., ~~U.S.~~ Mineral Surveyor, before me, Alfred C. Stoddard, Notary Public,

Cochise County, State of Arizona this 24th day of July, 1940.

Alfred C. Stoddard
Notary Public

My Commission Expires
March 1, 1941

OFFICE CADASTRAL ENGINEER'S FINAL CERTIFICATE ON FIELD NOTES

United States
Department of the Interior
GENERAL LAND OFFICE
PUBLIC SURVEY OFFICE

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Phoenix, Arizona

March 5, 1941

I, Office Cadastral Engineer at Phoenix, Arizona

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

Rosie Price and C. A. Baker

known as the TRIANGLE lode

situate in A10

Mining District Pima County Arizona

in Section 27, Township No. 12 South, Range No. 6 West, and

designated as Survey No. 4241, has been correctly copied from the originals on file in

this office; that said Field Notes furnish such an accurate description of said mining claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the locus thereof.

I further certify that Five Hundred Dollars worth of labor has been expended or improvements made upon, or for the benefit of, each location embraced in said mining claim by claimants or their grantors, and that said improvements consist of 2 tunnels and 1 shaft, total value \$630.

and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

I further certify that the plat thereof, filed in the District Land Office at Phoenix, Arizona is correct and in conformity with the foregoing Field Notes.

Sherman C. Fiske

Office Cadastral Engineer.

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF MINING CLAIM

UNITED STATES DEPARTMENT OF THE INTERIOR GENERAL LAND OFFICE PUBLIC SURVEY OFFICE

At Phoenix, Arizona,

March 5, 19 41

I, Office Cadastral Engineer at Phoenix, Arizona,

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

Rosie Price and C. A. Baker

, known as the

TRIANGLE lode

situate in Ajo mining district,

Pima County, Arizona

in Section 27, Township No. 12 South, Range No. 6 West

, designated as Survey No. 4241

executed by Robert Lenon, Mineral

Surveyor, June 20 - 26, 19 40, under my instructions dated

June 17, 1940, have been critically examined and the necessary

corrections and explanations made, and the said Field Notes and Return, and the Survey they describe,

are hereby approved. The certified copy of the location certificate filed by the applicant for survey is

on file in this office and a true copy of said certified copy of said location certificate is included and

made a part of the transcript of the field notes.

Sherman C. Fisk Office Cadastral Engineer.