

FIELD NOTES

OF THE SURVEY OF THE

WESTERN STAR

Mining Claim for Segregation from Sec. 12, T. 15., R. 2E.

and from Sec. 7, T. 15., R. 3E.

and the

DEL ROY

Mining Claim for Segregation from Sec. 7 and 18, T. 15., R. 3E.

Sec. 5, T. 15., R. 3E. 7/21/31

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

Francis E. Joy, U. S. Cadastral Engineer

In the capacity of U. S. Surveyor..., under Special Instructions dated November 3, 1930..., issued by the District Cadastral Engineer to govern surveys included in Group No. 166 Arizona..., which were approved by the Commissioner of the General Land Office, November 15, 1930..., and Assignment Instructions dated January 2, 1931...

Survey commenced January 8, 1931.

Survey completed January 9, 1931.

3890

3890

1A

BOOK 3890

INDEX DIAGRAM.

Townships 1 SOUTH, Ranges 2 and 3 EAST

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Segregation Surveys, Tps. 1 S., Rs. 2 and 3 E.,

Gila and Salt River Meridian.

ARIZONA.

Chains

The segregation surveys of the "Western Star" and "Del Roy" mining claims were executed with a light mountain solar transit made by Buff & Buff, Serial No. 16724, constructed in accordance with the standard specifications of the General Land Office. The horizontal circle has a diameter of $4\frac{1}{2}$ ins., with two double opposite verniers reading to single minutes; the vertical circle has a diameter of 4 ins., with one double vernier reading to single minutes. The instrument is equipped with the improved Smith solar attachment; radius of latitude arc $2\frac{1}{2}$ ins., and of declination arc $3\frac{1}{2}$ ins., each with verniers reading to single minutes. The instrument was in good condition, and having been placed in satisfactory adjustment prior to beginning the survey, and tested and found free from appreciable error, was approved by the District Cadastral Engineer on January 2, 1931. Examine all the instrumental adjustments before making the field tests hereinafter recorded.

The directions of all of the lines were determined by solar transit method. The measurements were made with a Lallie steel tape, 5 chs. in length, graduated every link for the first 100 lks., and the balance at intervals of 10 lks.. The tape was tested by comparison with a Keuffel & Esser standard and found correct. The measurements were made on the slope, and the vertical angle of each interval was ascertained by a clinometer in good adjustment; the horizontal equivalents are entered in the field note record.

The data furnished with the special instructions gives the geographic position of the SE. cor. of T. 1 S., R. 2 E., as follows: latitude $33^{\circ} 17' 20''$ N., and longitude $112^{\circ} 06' 00''$ W.

January 8, 1931, in camp at the SE. cor. of sec. 5, T. 1 S., R. 3 E.; at 5h 5m 30s p. m., l.m.t., make an hour angle observation on Polaris, east of the meridian, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from an insulator on a pole about 40 chs. N., in the direction N-W to Polaris.

Mean horizontal angle Polaris to pole $18^{\circ} 03' 00''$
 Azimuth of Polaris $26' 52''$ E.
 True bearing of pole N. $18^{\circ} 29' 52''$ E.

At a point 15.00 chs. N. of the cor. of secs. 7, 12, 13 and 18, Tps. 1 S., Rs. 2 and 3 E. in order to verify the latitude make a meridian observation of the sun, observing the altitude of the sun's lower limb with the telescope in direct position, reversing the transit and observing the sun's upper limb.

Apparent time of observation, noon 12h 00m 00s
 Mean observed altitude $34^{\circ} 22' 15''$
 Reduced latitude $33^{\circ} 21' 25''$ N.

January 8 and 9, 1931, at 8 a. m. and at 4:30 p.m., make proper settings on the arcs of the solar attachment and ascertain that the resulting orientation of the instrument, when compared with the meridian established by Polaris observation, has a mazimum error of less than $1' 30''$. Repeat the tests of the arcs daily by noon observations.

Segregation Survey of the "Del Roy" lode.

Chains.

Metes and bounds survey of a tract of land known as the "Del Roy" lode, classified as mineral bearing but not covered by mineral patent survey, in secs. 7 and 18, T. 1 S., R. 3 E., G. & S. R. M., Arizona.

Set an iron post, 3 ft long, 1 in. diam., 12 ins. in the ground to bedrock, with a granite stone, 5 x 6 x 8 ins., mkd. X, deposited at the base, and in a mound of stone to top, for cor. No. 1 of the "Del Roy" lode, with brass cap mkd.

T1S | D R
1

R3E S18

1931

no trace of location cor. found.

Thence N. 84° 16' E., along line 1-2 "Del Roy" lode.

Over rough and broken land.

4.54 The S. end center location monument bears S. 5° 21' E., 1.40 chs. dist.; a mound of stone, 2½ ft base, 3 ft. high.

9.09 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground to bedrock, with granite stone, 4 x 5 x 6 ins., mkd. X, deposited at the base, and in a mound of stone to top, for cor. No. 2 of the "Del Roy" lode, with brass cap mkd.

D R |
2 | T1S
R3E S18
1931

No trace of location cor. found.

Thence N. 5° 23' W., along line 2-3 "Del Roy" lode.
Over rough and broken land, general NE. drainage.

8.15 Intersect sub. line bet. secs. 7 and 18, at a point from which the cor. of secs. 7, 12, 13 and 18, Tps. 1 S., Rs. 2 and 3 E., bears S. 89° 48' W., 22.66 chs. dist.; an iron post, 2 ins. diam., 12 ins. above ground, firmly set, marked and witnessed as described in the official record.

From the same point the ¼ sec. cor. of sec. 18 only, bears N. 89° 48' E., 15.48 chs. dist.; an iron post, 1 in. diam., 10 ins. above ground, firmly set, marked and witnessed as described in the official record.

22.73 Cor. No. 3 and NE. location cor. The location cor. is an iron pin, ½ in. sq., 2 ins. above ground, firmly set and covered by a mound of stone, 3 ft. base, 2 ft. high.

At point for cor.

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for cor. No. 3 of the "Del Roy" lode, with brass cap mkd.

T1S R3E
3 | S7
D R |
1931

raise a mound of stone, 3 ft. base, 2 ft. high, in angle on claim.

Thence S. 84° 16' W., along line 3-4 "Del Roy" lode.

Over rolling land.

4.53 The discovery monument, bears S. 5° 39' E., 7.57 chs. dist.; a mound of stone, 3 ft. base, 2 ft. high.

Segregation survey of the "Del Roy" lode.

3890

<p>Chains.</p> <p>4.98</p> <p>8.60</p> <p>9.07</p> <p>1.13</p> <p>9.90</p> <p>13.70</p> <p>22.73</p>	<p>From the same point a tunnel, facing N. and about 60 ft. long, bears S. 5° 30' E., 9.80 chs. dist.</p> <p>A rocky wash, 30 lks. wide, course NE.</p> <p>A rocky wash, 30 lks. wide, course NE.</p> <p>Cor. No. 4 and the NW. location cor. The location cor. is an iron pin, ½ in. sq., 2 ins. above the ground, firmly set and covered by a mound of stone, 3 ft. base, 2 ft. high.</p> <p>At point for cor.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the ground, for cor. No. 4 of the "Del Roy" lode, with brass cap mkd.</p> <div style="text-align: center;"> <table border="1"> <tr><td>T1S</td><td>R3E</td></tr> <tr><td>S7</td><td>4</td></tr> <tr><td></td><td>D R</td></tr> <tr><td></td><td>1931</td></tr> </table> </div> <p>raise a mound of stone, 3 ft. base, 1½ ft. high, in angle on claim.</p> <p>Thence S. 5° 20' E., along line 4-1 "Del Roy" lode.</p> <p>Over rolling and broken land.</p> <p>A rocky wash, 20 lks. wide, 10 ft. deep, course NE.</p> <p>A rocky wash, 20 lks. wide, 10 ft. deep, course NE.</p> <p>Intersect sub. line bet. secs. 7 and 18, at a point from which the cor. of secs. 7, 12, 13 and 18, bears S. 89° 48' W., 13.54 chs. dist., heretofore described.</p> <p>Cor. No. 1 and place of beginning.</p> <p style="text-align: right;">January 8, 1931.</p>	T1S	R3E	S7	4		D R		1931
T1S	R3E								
S7	4								
	D R								
	1931								

Segregation Survey of the "Western Star" lode.

<p>5.52</p> <p>9.07</p>	<p>Metes and bounds survey of a tract of land known as the "Western Star" lode, classified as mineral bearing but not covered by mineral patent survey, in secs. 7 and 12, Tps. 1 S., Rs. 2 and 3 E., G. & S.R. M., Arizona.</p> <p>Commencing at cor. No. 1, identical with the location monument, a mound of stone, 3 ft. base, 1½ ft. high, at the center of which</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for cor. No. 1 of the "Western Star" lode, with brass cap mkd.</p> <div style="text-align: center;"> <table border="1"> <tr><td>W S</td><td></td></tr> <tr><td>1</td><td>T1S</td></tr> <tr><td>R3E</td><td>S7</td></tr> <tr><td></td><td>1931</td></tr> </table> </div> <p>raise a mound of stone, 3 ft. base, 1½ ft. high, NW. of cor. on claim.</p> <p>Thence N. 3° 42' W., along line 1-2 "Western Star" lode.</p> <p>Over rolling land.</p> <p>End center location monument; a mound of stone, 2½ ft. base, 1½ ft. high.</p> <p>Cor. No. 2, identical with the location monument, a mound of stone, 3 ft. base, 2 ft. high, at the center of which</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to bedrock, with a granite stone, 4 x 5 x 7 ins.,</p>	W S		1	T1S	R3E	S7		1931
W S									
1	T1S								
R3E	S7								
	1931								

Segregation Survey of the "Western Star" lode.

Chains. mkd. X, deposited at the base, and in a mound of stone to top, for cor. No. 2 of the "Western Star" lode, with brass cap mkd.

T1S	R3E
2	S7
W	S
1931	

Thence S. 86° 18' W., along line 2-3 "Western Star" lode.
Over rolling land.

5.30 Rocky wash, 30 lks. wide, 3 ft. deep, course NW.

5.93 Intersect range line, bet. secs. 7 and 12, Tps. 1 S., Rs. 2 and 3 E., at a point from which the cor. of secs. 7, 12, 13 and 18, bears S. 0° 3' E., 1342 chs. dist., hereinafter described.

From the same point the $\frac{1}{2}$ sec. cor. of secs. 7 and 12, Tps. 1 S., Rs. 2 and 3 E., bears N. 0° 3' W., 2672 chs. dist.; an iron post, 1 in. diam., 4 ins. above mound of stone, 2 ft. base, 1 ft. high, marked and witnessed as described in the official record.

21.14 Cor. No. 3.

Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to bedrock, with a granite stone, 4 x 10 x 10 ins., mkd. X, deposited at base, and in a mound of stone to top, for cor. No. 3 "Western Star" lode, with brass cap mkd.

T1S	R2E
S12	3
W	S
1931	

From this cor. the discovery monument, bears S. 63° 00' E., 8.81 chs. dist.; a mound of stone, 2 ft. base, 2½ ft. high. This monument is alongside of a shaft, 8 x 10 by 40 ft. deep.

Thence S. 3° 42' E., along line 3-4 "Western Star" lode.
Over rolling land.

1.60 Rocky wash, 10 lks. wide, 6 ft. deep, course NW.

4.53 Center end location monument; a mound of stone, 2 ft. base, 3 ft. high.

9.01 Cor. No. 4, identical with the location monument, a mound of stone, 2 ft. base, 3 ft. high, in the center of which

Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for cor. No. 4 of the "Western Star" lode, with brass cap mkd.

T1S	W	S
R2E	4	
S 7		
1931		

raise a mound of stone, 3 ft. base, 2 ft. high, NE. of cor. on claim.

Thence N. 86° 28' E., along line 4-1 "Western Star" lode.
Ascend 112 ft. over broken NW. slope.

10.90 Spur slopes NE.; descend 74 ft. to wash.

14.63 Intersect range line, bet. secs. 7 and 12, Tps. 1 S., Rs. 2 and 3 E., at a point from which the cor. of secs. 7, 12, 13 and 18, bears S. 0° 3' E., 435 chs. dist.; hereinafter described.

Segregation Survey of the "Western Star" lode.

L-11 8890

Chains.

17.35

Rocky wash, 30 lks. wide, 10 ft. deep, course N.

21.14

Cor. No. 1 and place of beginning.

January 9, 1931.

GENERAL DESCRIPTION.

The "Del Roy" and "Western Star" mining claims are situated about 8 miles south of Phoenix and lie along the north slope of the Salt River Mountains.

The lands included within the claims are nearly barren except for a few palo verde and cacti.

The soil is gravelly and stony with bedrock near the surface, 4th rate.

(COPY)
NOTICE OF MINING LOCATION
Lode Claim.

BOOK 3890

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the WESTERN STAR 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 purpose of exploration and purchase by A. A. Fisher, a citizen of the United States the undersigned, on the 23rd day of September, 1925.

The length of this claim is Fifteen Hundred feet, and I claim 500 feet, in a westerly direction and 1000 feet in a - Easterly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with Three Hundred 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 Westerly to the Easterly.

The claim is situated and located in the Phoenix Mining District, in Maricopa County, in the State of Arizona, about Eight miles in a in a South West direction from Phoenix, Arizona and is knowned as the old Tom Boyle mine which is now abandoned for the need of assessment work.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at monument of Stones and Running in a western direction to a monument of stones at a point in a western direction 500 feet from the discovery shaft (at which this notice is posted, being in the center of the west end line of said claim; thence 300 feet to a monument, being the North West corner of said claim; thence 1500 feet to a monument, being at the North East corner of said claim; thence 300 feet to a monument at the center of the East end of said claim; thence 300 feet to a monument being at the South East corner of said claim; thence 1500 feet to a monument at the Southwest corner of said claim; thence 300 feet to the place of beginning.

Dated and posted on the grounds this 23rd day of September, 1925
Arthur A. Fisher

Witness

A. R. Jenkins
E. H. Fonseca

Filed and Recorded at Request of Arthur A. Fisher, Dec. 10,
A. D. 1925 at 1:30 P. M., Book 30 Mines Pages 315.

W. H. Linville,
County Recorder.

By Walter W. Smith
Deputy Recorder.

STATE OF ARIZONA)
County of Maricopa) ss.

I, J. K. WARD, County Recorder in and for the County and State aforesaid, hereby certify that I have compared the foregoing copy with the record of Notice of Mining Location (Lode Claim), executed by Arthur A. Fisher filed and recorded in my office on the 10th day of December, 1925, in Book No. 30 of Mines at Page 315 and that the same is a full, true and correct copy of such record and of the whole thereof.

Witness my hand and seal of office, this 1st day of June, 1929.

(SEAL)

J. K. Ward, County Recorder.
By Roger G. Laveen,
Deputy.

BOOK 3890

(COPY)
NOTICE OF MINING LOCATION
Lode Claim.

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the DEL ROY 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 purpose of exploration and purchase by A. A. Fisher a citizen of th United States the undersigned, on the 23rd day of Sep, 1925

The length of this claim is 1500 feet, and I claim 500 feet, in a N. W. direction and 1000 feet in a South East direction from the center of the discovery shaft, 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 North West to the South East

The claim is situated and located in the Phoenix Mining District, in Maricopa County, in the State of Arizona, about 8 Miles in a South direction from the Capitol in the City Phoenix and is known as The Tom Boyle that Have Been abandoned for want of assessment work

The surface boundaries of the claim are marked upon the ground as follows: Beginning at - at a point in a North direction 20 feet from the discovery shaft (at which this notice is posted), being in the center of the North West end line of said claim; thence 300 feet to a Monument, being the North West corner of said claim; thence 1500 feet to a Monument, being at the S. East corner of said claim; thence 300 feet to a Monument at the center of the S. E. end of the claim; thence 300 feet to a Monument being at the S. E. corner of said claim; thence 1500 feet to a Monument at the South West corner of said claim; thence 300 feet to the place of beginning.

Dated and posted on the grounds this 23rd day of Sep, 1925.

Arthur A Fisher

Witness

- A. R. Jenkins
- E. H. Fondsen

Filed and Recorded at Request of Arthur A Fisher Dec. 10, A. D. 1925 at 1:30 P. M., Book 30 Mines Pages 314

W. H. Linville
County Recorder.

By Walter W. Smith
Deputy Recorder

STATE OF ARIZONA)
County of Maricopa) ss.

I, J. K. WARD, County Recorder in and for the County and State aforesaid, hereby certify that I have compared the foregoing copy with the RECORD OF NOTICE OF MINING LOCATION filed and recorded in my office on the 10th day of December, 1925, in Book No. 30 of Mines at Page 314 and that the same is a full, true and correct copy of such RECORD and of the whole thereof.

Witness my hand and seal of office, this 23rd day of October, 1929.
J. K. Ward

(SEAL)

County Recorder.
By Roger G. Laveen
Deputy.

BOOK 3890

CERTIFICATE OF UNITED STATES SURVEYOR.

I, Francis E. Joy ~~U.S. Cadastral Engineer~~, ~~U.S. Surveyor~~, hereby certify upon honor that, in pursuance of special instructions received from the District Cadastral Engineer, for Group 166 - Arizona bearing date of the 3rd day of November, 1930, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the

WESTERN STAR

lode mining claim for Segregation from Sec. 12, T. 15, R. 2 E. and from

Sec. 7, T. 15, R. 3 E. and the

DEL ROY lode mining claim

for Segregation from Sec. 7 ~~and 18~~, T. 15, R. 3 E. of the Gila and Salt

River Base and 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 all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the District Cadastral Engineer, for Group 166, Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

San Francisco, California,
April 21, 1931.

Francis E. Joy
U.S. Cadastral Engineer.

APPROVAL.

OFFICE OF U. S. SUPERVISOR OF SURVEYS,

Denver, Colo., May 19, 1931.

The foregoing field notes of the survey of the WESTERN STAR lode mining claim,

for Segregation from Sec. 12, T. 15, R. 2 E., and from Sec. 7, T. 15, R. 3 E

and the DEL ROY lode mining claim for Segregation from

Sec. 7 ~~and 18~~, T. 15, R. 3 E.,

of the Gila and Salt River Base and Meridian, in the State of Arizona

executed by Francis E. Joy, U.S. Cadastral Engineer

under his special instructions dated November 3, 1930 for Group 166, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Wm. D. Dwyer
U. S. Supervisor of Surveys.

~~I certify that the foregoing transcript of the field notes of the above described surveys in~~

~~has been correctly copied from the original notes on file in this office.~~

~~U. S. Supervisor of Surveys.~~