

3296

Book "A"

4-679

BOOK 3296

DEC 13 1919

FIELD NOTES

RETRACEMENT OF THE

Part of the Subdivision lines of Township 23 South, Range 14 E. (sec. 18)

West boundary of Township 23 South, Range 14 East,

Portion of the South bdy. of the Baca Float, and

SURVEY of

"Hector 16" unsurveyed Lode Mining Claim,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

Arthur W. Brown,

In the capacity of U. S. Surveyor, under Special Instructions dated Jan. 19, 1918, issued by the United States Surveyor General to govern surveys included in Group No. 85, which were approved by the Commissioner of the General Land Office, February 26, 1918, and Assignment Instructions dated June 1, 1918

Retracement & Survey commenced June 13, 1918.

Retracement & Survey completed June 18, 1918.

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INDEX DIAGRAM.

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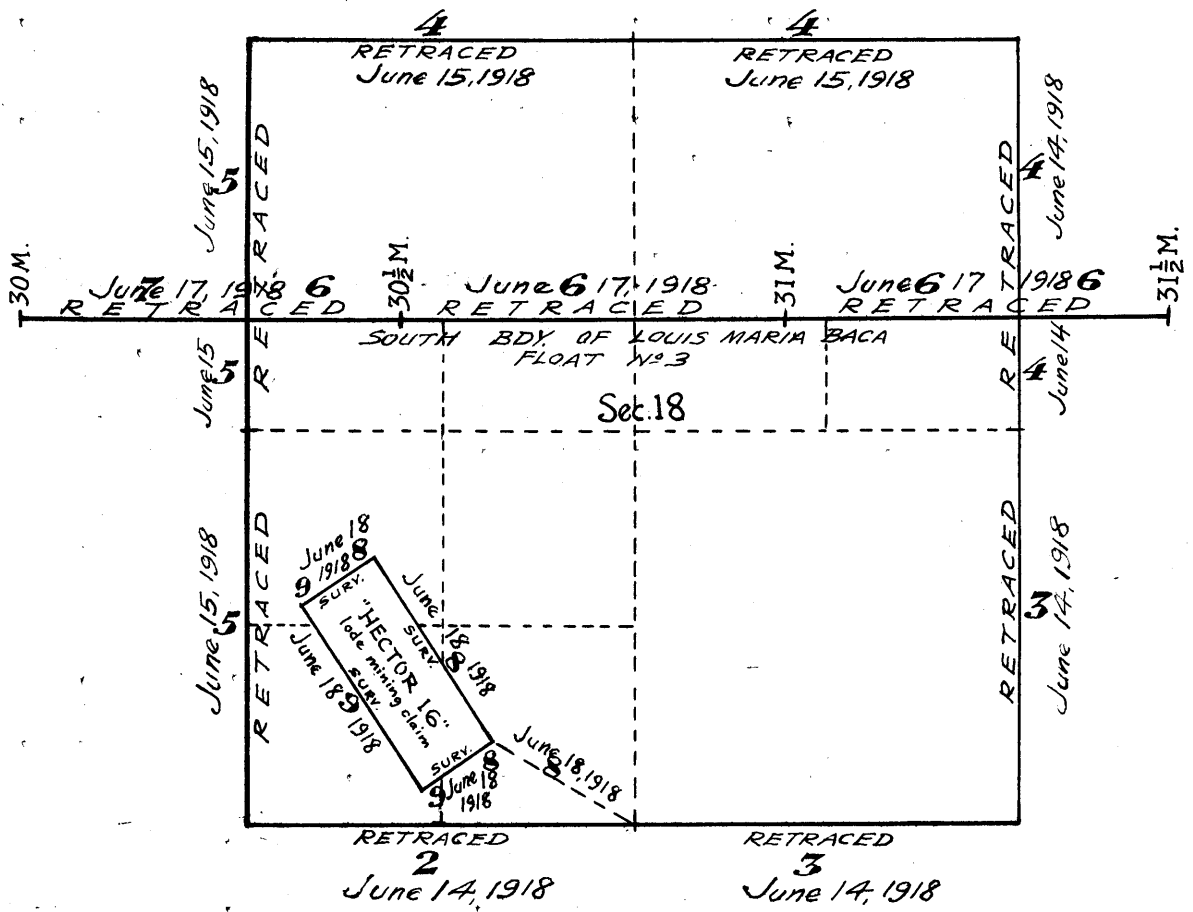
BOOK 3296

INDEX & DATE DIAGRAM

Book "A", Group 85 - Arizona.

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BOOK 3296



Retracement of part of Subdivision lines, and part of West bdy. of T. 23 S., R. 14 E., and survey of "HECTOR 16" mining claim in sec. 18 of said Tp.

Chains.

Retracement and Survey commenced June 13, 1918, and executed on dates shown on diagram on page 1 hereof, by Arthur W. Brown, U.S. Surveyor, using Young and Sons' transit No. 8486, with a Smith solar attachment. The instrument is fully equipped, and conforms to the standard instrument specifications of the General Land Office.

In order to test the solar apparatus, by comparing the results of observations on the sun, made during a.m. and p.m. hours, with a true meridian, determined by observation on Polaris, proceed as follows:

At camp, which is situated near the SE. cor. of sec. 13, T. 23 S., R. 13 E., in latitude $31^{\circ}24'N.$, longitude, $110^{\circ}57'W.$, at 2h. 12m. a.m., l.m.t., June 13, 1918, observe Polaris at eastern elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined by a tack in a peg driven firmly in the ground, 5 chs. N. of station.

At 8h. a.m., l.m.t., lay off the azimuth of Polaris, $1^{\circ}20'$ to the W., and mark the meridian thus determined by a tack in another peg 5 chs. N. of station.

At 9h. a.m., l.m.t., set off $31^{\circ}24'$ on the lat. arc; $23^{\circ}12'N.$ on the decl. arc, and determine a meridian with the solar, which falls $30''$ to the east of the meridian obtained from Polaris observation.

At 3h. p.m., l.m.t., set off $31^{\circ}24'N.$ on the lat. arc; $23^{\circ}13'N.$ on the decl. arc, and determine another meridian with the solar. This meridian intersects the one obtained from observation on Polaris. From these tests, conclude that the adjustments of the instrument are satisfactory.

Similar tests were made for the resurveys in T. 20 S., R. 24 E., and T. 16 S., R. 22 E., and the instrument was found to be in perfect adjustment.

The magnetic bearing of the true meridian is $N. 14^{\circ}00'W.$; the angle thus determined gives the mag. decl. $14^{\circ}00'E.$

RETRACEMENT:- Part of Subdivision lines, T. 23 S., R. 14 E.

Diligent search fails to reveal a cor. of secs. 13, 18, 19 and 24 on W. bdy. of T. 23 S., R. 14 E., which answers the record description of same, but find a slate stone, $10 \times 10 \times 6$ ins. above ground, firmly set, marked with 3 grooves on each of N. and S. faces, and witnessed by a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor., and two bearing trees as follows:

A mesquite, 16 ins. in diam., brs. $N. 40^{\circ}E.$, 33 lks. dist., marked "SXVIII", and

A mesquite, 24 ins. in diam., brs. $S. 23^{\circ}E.$, 24 lks. dist., illegibly marked.

Accept this cor. as being at the point formerly occupied by the missing original cor. on the testimony of Manuel Ronquis, a nearby settler of long residence in this vicinity.

Thence,

$S. 89^{\circ}51'E.$, (record course) on random line, bet. secs. 18 and 19 ($W. \frac{1}{2}$).

Over rolling land, descending E. slope, along N. side of wire fence, bearing E. and W.

- .10 Fence cor., from which fences extend E., W. and S.
- 1.60 Irrigation ditch, course N. at foot of descent. Enter level, cultivated land in small valley, bearing N. and S.
- 5.35 Creek, running water, 4 lks. wide, 5 ins. deep, course N., in ravine, 150 lks. wide, 10 ft. deep, course N.
- 6.35 E. edge of ravine, brs. N. and S. Thence over level cultivated land. Continue along N. side of fence, bearing E. and W.
- 7.35 Fence cor. S. of line, from which fences extend E., W. and NW.
- 8.35 Edge of cultivated land, brs. NW. and SE. Leave same; continue over level land, along N. side of fence.
- 10.35 Wire fence brs. N. and S. Leave E. and W. fence.
- 10.95 State highway, brs. N. and S. Extends southerly to Nogales and northerly to Tucson.

Retracement: Part of Subdivision lines in T.23 S., R.14 E. 3

Chains.

- 11.31 Wire fence, bearing N. and S. Enter R.R. right-of-way.
- 12.12 Railroad, brs. N. and S. Tucson-Nogales division of the Southern Pacific Ry.
- 12.44 Wire fence, brs. N. and S. Leave R.R. right of way. Enter level, sandy land, and dense mesquite brush.
- 16.34 Old road, brs. N. and S.
- 18.93 Foot of W. slope of hill; leave level land; ascend.
- 24.58 Top of hill. Descend E. slope.
- 31.28 Small wash, course S. at foot of hill. Ascend.
- 38.50 S. end of ridge, brs. N. and S.; descend.
- 38.71 Old road, brs. NW. and SE.
- 39.98 Fall 8 lks. N. of a granite stone, 6x6x6 ins. above a mound of earth and stone in which it is firmly set, marked "1/4" on N. face, with mound of stone 2 ft. base, 1 1/2 ft. high, N. of cor. Alongside of cor. are four posts, each 4 ins. square, and projecting 3 ft. above ground, but no marks on any of them. No bearing trees.

Diligent search in this vicinity fails to reveal any trace of original 1/4 sec. cor. of secs. 18 and 19, as described by the surveyor general; therefore, on the testimony of Manuel Ronquis, a nearby settler of long residence in the vicinity, accept the cor. found, as occupying the point of original location of the missing original 1/4 sec. cor.

True course and dist. of W. 1/2 of line, bet. secs. 18 and 19 are therefore, S. 89° 44' E., 39.98 chs.

Thence,

S. 89° 51' E. (record course) on random line, bet. secs. 18 and 19 (E. 1/2).

Over rolling land, thru. dense undergrowth; ascend.

- 1.27 Low spur, slopes N. Descend.
- 6.31 Foot of slope from spur. Thence thru. low hills, broken by many small washes and ravines, general course NW.
- 38.52 Wash, course N.; ascend.
- 39.30 Low spur, slopes NE. Descend.
- 40.30 Fall 163 lks. N. of a granite stone, 12x6x6 ins. above a mound of earth and stone, in which it is firmly set, marked with 3 notches on S. edge, and 5 notches on E. edge, and witnessed by mound of stone 2 ft. base, 1 1/2 ft. high, W. of cor. Alongside of stone are four posts, each 4 ins. square, projecting 3 ft. above ground, none marked. No bearing trees. After diligent search fails to reveal any trace of original cor. of secs. 17, 18, 19 and 20, as described by the surveyor general, accept the above described cor. as marking the point of original location of the missing cor. Manuel Ronquis, settler, also testifies to the fact that the cor. found replaced the original cor. in same position.

True course and dist. of E. half of line bet. secs. 18 and 19 are therefore S 87° 32' E., 40.34 chs.

Land, level and rolling.

Soil, sandy loam, 1st and 2nd rate.

No timber.

Undergrowth, dense and scattering mesquite and catclaw.

Fair grass.

 From accepted cor. of secs. 17, 18, 19 and 20, described above,

North, on random line, bet. secs. 17 and 18 (S. 1/2).

Thru. low hills, broken by many small washes and ravines.

- 26.60 Old road brs. NE and SW;
- 27.90 Wash, course E. Ascend over rolling land.
- 39.77 Fall 90 lks. W. of a granite stone, 12x8x4 ins. above ground, firmly set, marked 1/4 on W. face, and around stone are three posts, each 4 ins. square, projecting 3 ft. above ground, none marked. No bearing trees.

Diligent search failing to reveal any trace of original 1/4 sec. cor. as described by the surveyor general, accept the above described cor. as marking the point of orig-

4 Retracement:--Part of Subdivision lines of T. 23 S. R. 14 E.

Chains.

- inal location of the $\frac{1}{4}$ sec. cor. of secs. 17 and 18, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. True course and dist. of S. $\frac{1}{4}$ of line, bet. secs. 17 and 18 are therefore, N. $1^{\circ}18'E.$, 39.78 chs.
- Thence,
North, on random line, bet. secs. 17 and 18 (N. $\frac{1}{4}$).
Over rolling land, thru. scattering undergrowth. Ascend.
8.60 Summit of high hill, sloping all directions. Descend.
- 12.12 The original closing cor. of secs. 17 and 18, on S. bdy. of Louis Maria Baca Float No. 3, Private Land Grant (confirmed,) brs. E. 52 lks. dist. This CC is a sandstone, 6x6x6 ins. above ground, firmly set, marked as described by the surveyor general, but witnessed only by mound of stone S. of cor. No trace could be found of the two bearing trees described by the surveyor general. True course and dist. of line from $\frac{1}{4}$ sec. cor. to this C C are therefore N. $2^{\circ}27'E.$, 12.13 chs.
- Continue line and measurement over the Louis Maria Baca Float No. 3. Descending over rolling land, thru. scattering undergrowth.
- 39.56 Fall 169 lks. W. of two posts, each 4 ins. sq., projecting 3 ft. above mound of stone, alongside a granite stone 10x6x6 ins. above ground, firmly set, marked with 4 notches on S. edge, and 5 notches on E. edge. One of the posts is marked "F 5III" and the other is marked "F4III". No bearing trees could be found. Diligent search in this vicinity fails to reveal any trace of the original cor. of secs. 7, 8, 17 and 18, as described by the surveyor general; therefore, on the testimony of Manuel Ronquis, settler, accept the above described cor. as marking the original position of the missing cor., and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. True course and dist. of N. $\frac{1}{4}$ of line, bet. secs. 17 and 18 are therefore N. $2^{\circ}27'E.$, 39:60 chs.
- Land, rolling, broken and hilly.
Soil, rocky and gravelly, 3rd rate.
No timber.
Undergrowth, scattering mesquite, catclaw and scrub oak.
Fair grass.
-
- From accepted cor. of secs. 7, 8, 17 and 18, described above, N. $89^{\circ}53' W.$, (record course) on random line, bet. secs. 7 and 18 (E. $\frac{1}{4}$).
- Over rolling and hilly land, thru. scattering undergrowth. Ascend.
- 16.69 Top of ascent on N. slope of hill. Descend over land broken by many gulches.
- 32.27 Rim, brs. N. and S. Descend W. slope.
- 39.42 Fall 19 lks. S. of two posts, each 4 ins. sq., projecting 3 ft. above a mound of earth and stone. One post is marked " $\frac{1}{4}S$ " on N. face. The other is unmarked. A mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high is raised N. of posts and mound. No bearing trees. On testimony of settler, accept the above described cor. as marking the position of the original $\frac{1}{4}$ sec. cor. of secs. 7 and 18. True course and dist. of E. $\frac{1}{4}$ of line bet. secs. 7 and 18 are therefore, N. $89^{\circ}36' W.$, 39.42 chs.
- Thence,
N. $89^{\circ}53' W.$ (record course) on random line, bet. secs. 7 and 18 (W. $\frac{1}{4}$).
- Over broken, hilly land, thru. scattering undergrowth. Descend.
- .22 Sandy draw, 60 lks. wide, course N. Continue descent.
- 40.42 Fall 215 lks. S. of original cor. of secs. 7, 12, 13 and 18, on W. bdy. of Tp., which is a post in mound of earth, witnessed by mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Post is marked with 2 notches on N. edge, and 4 notches on S. edge. No bearing trees.

Chains.	<p>True course and dist. of W. half of line, bet. secs. 7 and 18 are therefore, N. 86° 50' W., 40.48 chs. Land, hilly, rolling and broken. Soil, sandy, gravelly and rocky, 2nd and 3rd rate. No timber. Undergrowth, scattering mesquite. Fair grass.</p>

RETRACEMENT: -Part of W. bdy. of Township 23 S., R. 14 E.	
40.00	<p>From accepted cor. of secs. 13, 18, 19 and 24, on W. bdy. of T. 23 S., R. 14 E., hereinbefore described, North, (record course) on random line, bet. secs. 13 and 18 (S. $\frac{1}{2}$). Fall 146 lks. W. of a granite stone, 6x8x8 ins. above ground, firmly set, marked "1" on W. face, and witnessed by mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. No bearing trees. Diligent search fails to reveal any trace of original $\frac{1}{4}$ sec. cor. of secs. 13 and 18; therefore, accept above described cor. as marking the original position of the missing cor. True course and dist. of S. $\frac{1}{4}$ of line, bet. secs. 13 and 18, are therefore N. 2° 05' E., 40.02 chs. Return to cor. of secs. 13, 18, 19 and 24, hereinbefore described.</p>
5.62	Thence,
7.00	N. 2° 05' E., on true line, bet. secs. 13 and 18 (S. $\frac{1}{2}$). Over small mesa, thru dense undergrowth.
7.37	Rim of mesa, brs. SE. and SW. Descend.
13.20	Irrigation ditch, course W. Enter level land.
19.22	Enter cultivated field.
19.52	Wash, course E.
20.00	Fence brs. E. and W. Leave cultivated field.
21.00	Wash, course E.
24.00	State highway, brs. NW. and SE. Extends northerly to Tucson and southerly to Nogales.
29.77	Fence parallel to road.
32.80	Three houses bear W, about 2 chs. dist.
37.00	Fence brs. E. and W.
40.02	Creek, running water 23 lks. wide, 3 ins. deep, course NW. in deep ravine. Enter cultivated land, brs. NW. and SE. R.R. station building brs. E. about 1.65 chs. dist.
	Intersect accepted $\frac{1}{4}$ sec. cor. of secs. 13 and 18, hereinbefore described.
	Thence,
3.38	N. 2° 05' E., on random line, bet. secs. 13 and 18 (N. $\frac{1}{2}$). Over level, cultivated land.
6.28	Fence brs. N. 14° 20' W. and S. 14° 20' E. Enter R.R. right of way. Tucson and Nogales division of Southern Pacific Ry., brs. N. 14° 20' W. and S. 14° 20' E.
10.00	Fence, parallel to R.R. Leave right of way.
10.11	Intersect original closing cor. of secs. 13 and 18, and Ts. 23 S., Rs. 13 and 14 E., on S. bdy. of Louis Maria Baca Float No. 3, which is a sandstone, 12x12x6 ins. above ground, firmly set, marked as described by the surveyor general, and witnessed by one bearing tree SW. of cor. No trace of original SE. bearing tree could be found. This C C is under a fence bearing E. and W. Continue line and measurement, inside the L.M.B.F. No. 3.
17.48	Over level land, thru scattering undergrowth.
24.00	Leave level land. Enter broken, hilly land.
27.00	Foot of hill, brs. NW. and SE. Ascend SW. slope.
28.45	Top of ascent on W. slope of hill. Descend.
40.03	Wash, course W. Ascend over hilly land. Intersect original cor. of secs. 7, 12, 13 and 18, hereinbefore described. Land, level, rolling, hilly and broken.

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Chains.

Soil, sandy, gravelly and rocky, 1st to 4th rate.
 No timber.
 Undergrowth, scattering mesquite.
 Fair grass.

 RETRACEMENT: -Part of S. bdy. of Louis Maria Baca Float
 No. 3.
 6-----

The $31\frac{1}{2}$ mile monument on S. bdy. of Louis Maria Baca Float
 No. 3 is a sandstone $16 \times 12 \times 6$ ins. above ground, firmly
 set, marked and witnessed as described by the surveyor
 general.

Thence,

West (record course) on random line, on 32nd mile, N. of
 sec. 17, T. 23 S., R. 14 E.

Over rolling land, thru scattering undergrowth. Descend.
 2.50 Wash, course N. Ascend.

3:50 Old road, brs. N. and S.

15.50 Fall 3 lks. N. of closing cor. of secs. 17 and 18, herein-
 before described.

This C C is at head of small wash, course NW.

True course and dist. from this C C to the $31\frac{1}{2}$ mile mon.
 is therefore $N. 89^{\circ} 53' E.$, 15.50 chs.

Continue line and measurement, N. of sec. 18.
 Descend over rolling land.

25.24 Wash, 60 lks. wide, course N. Thence thru low hills.

38.00 Crest of hill, brs. S. 50 lks. dist. Descend.

40.08 Fall 8 lks. N. of original 31 mile monument, near in
 which is a granite stone, $8 \times 8 \times 6$ ins. above ground,
 firmly set, marked and witnessed as described by the
 surveyor general.

True course and dist. of $W. \frac{1}{2}$ of 32nd mile of S. bdy. of
 Louis Maria Baca Float No. 3 are therefore $N. 89^{\circ} 53' E.$,
 40.08 chs.

Thence,

West, on random line, on $E. \frac{1}{2}$ of 31st mile, N. of sec. 18.

Over hilly land, cut by many small washes, thru scatter-
 ing undergrowth.

18.52 Road, brs. N. and S.

23.40 NE. fence cor. brs. S. about 20 lks. dist. Thence along
 fence, brs. E. and W., about 20 lks. S. of line.

40.11 Intersect mound of granite stones, 4 ft. base, 2 ft. high,
 Diligent search fails to reveal any trace of original
 $30\frac{1}{2}$ mile monument as described by surveyor general;
 therefore, accept the above described mound of stones
 as marking the original position of the missing cor.
 True course and dist. of $E. \frac{1}{2}$ of 31st mile of S. bdy. of
 Louis Maria Baca Float No. 3 are therefore east, 40.11
 chs.

Thence,

West, on random line on $W. \frac{1}{2}$ of 31st mile, N. of sec. 18.
 Over hilly land, thru scattering undergrowth. Along N.
 side of fence.

4.00 Rim, brs. N. and S. Descend.

12.11 Foot of descent, brs. N. and S. Enter level valley.

14.87 Fall 3 lks. N. of closing cor. of secs. 13 and 18, and Ts.
 23 S., Rs. 13 and 14 E., hereinbefore described.

True course and dist. from this C C to $30\frac{1}{2}$ mile mon. are
 therefore $N. 89^{\circ} 53' E.$, 14.87 chs.

Continue line and measurement on $W. \frac{1}{2}$ of 31st mile, N. of
 sec. 13, T. 23 S., R. 13 E.

14.90 Over level land, along N. side of fence, bearing E. and W.
 Fence brs. $N. 14^{\circ} 20' W.$, and $S. 14^{\circ} 20' E.$ Leave E. and W.
 fence. Enter R.R. right of way.

15.75 Tucson and Nogales division of Southern Pacific Ry. brs.
 $N. 14^{\circ} 20' W.$ and $S. 14^{\circ} 20' E.$

Retracement:-Part of S.bdy.of Louis Maria Baca Float No.3. 7.

Chains.
 16.57 Fence parallel to Ry. Leave R.R. right of way. Continue over level land, along N. side of fence, bearing E. and W.
 21.10 Creek, running water, 15 lks. wide, 3 ins. deep, course N.
 36.83 Telephone line, brs. N. and S.
 37.98 Wash, course N.
 40.27 Fall 8 lks. N. of original 30 mile monument, which is a sandstone, 12x10x10 ins. above ground, firmly set, marked as described by the surveyor general, and witnessed by original NE. and SE. bearing trees. No trace of original NW. and SW. bearing trees could be found. This cor. is just outside NW. fence cor. and about 50 lks. E. of State Highway N. and S.
 True course and dist. of W. $\frac{1}{2}$ of 31st mile of S. bdy. of Louis Maria Baca Float No. 3 are therefore N. 89° 53' E. 40.27 chs.
 Land, hilly, rolling and level.
 Soil, sandy, gravelly, rocky, 1st, 2nd and 3rd rate.
 No timber.
 Undergrowth, scattering mesquite.
 Fair grass.

 Boundaries of sec. 18, Township 23 South, Range 14 East.
 Latitudes, departures, and closing errors.

Line designated.	True bearing	Dist.	Latitudes.		Departurs.	
			N.	S.	E.	W.
West bdy. (Range line)	N. 2° 05' E.	80.05	80.05		2.91	
North boundary	S. 86° 50' E.	40.48		2.24	40.42	
	S. 89° 36' E.	39.42		.28	39.42	
East boundary	S. 2° 27' W.	39.60		39.56		1.69
	S. 1° 18' W.	39.78		39.77		.90
South boundary	N. 87° 32' W.	40.34	1.73			40.30
	N. 89° 44' W.	39.98	.18			39.98
Convergency,					.01	
Totals.			81.96	81.85	82.76	82.87
			81.85			82.76
Error in latitude,			.11			
Error in departure,					.11	

Boundaries of that part of sec. 18, T. 23 S., R. 14 E.
outside the Louis Maria Baca Float No. 3.

Latitudes, departures, and closing errors.

Line designated.	True course.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
South boundary,	N. 87° 32' W.	40.34	1.73			40.30
	N. 89° 44' W.	39.98	.18			39.98
West boundary (Range line)	N. 2° 05' E.	50.13	50.10		1.82	
North boundary, (S. bdy. L.M.B. F.No. 3)	N. 89° 53' E.	14.87	.03		14.87	
	East,	40.11			40.11	
	N. 89° 53' E.	24.58	.05		24.58	
East boundary,	S. 2° 27' W.	12.13		12.12		.52
	S. 1° 18' W.	39.78		39.77		.90
Totals,			52.09	51.89	81.38	81.70
			51.89			81.38
Error in latitude,			.20			
Error in departure,					.32	

Segregation survey of the "Hector 16" Lode Mining
Claim, in SW. 1/4 of sec. 18, T. 23 S., R. 14 E.

- Begin at the discovery location monument, which is a mound of stone, 3 ft. base, 3 ft. high,
Thence, N. 30° 45' W. on true line, on center line of claim.
- 1.10 Shaft 20 ft. deep on line.
 - 1.40 Shaft 10 ft. deep on line.
 - 1.52 Intersect the location monument at the center of the NW. end line (2-1-6) of claim, which is a mound of stone, 2 ft. base, 1 1/2 ft. high. In the center of the old mound, set a granite stone 30x12x10 ins., 20 ins. in the ground for cor. No. 1 marked with a cross (x) on top, and "H 16 No. 1" on SE. face.
Thence N. 59° 15' E. on true line, on NE. 1/4 of NW. end line 1-6 of claim.
 - 2.21 Ascend a broken W. slope.
 - 4.35 Small gulch, course NW.
 - 4.545 Set a quartzite stone 14x12x8 ins., 10 ins. in the ground, for cor. No. 6 (NE. cor.), marked with a cross (x) on top at exact cor. point, and "H 16 No. 6" on S. face; raise a mound of stone 3 ft. base, 2 1/2 ft. high within claim.
Thence,
S. 30° 45' E. on true line, on NE. side line (6-5) of claim.
Over broken land, drains W.
 - .20 Small gulch, course NW.
 - 2.10 Low hills, bear E. and W.
 - 9.00 Fence brs. E and W.
 - 22.725 Set a granite stone 18x10x10 ins., 12 ins. in the ground, for cor. No. 5 (SE. cor.) marked with a cross (x) at exact cor. point, and "H 16 No. 5" on W. face; raise a mound of stone, 3 ft. base, 2 1/2 ft. high, W. of cor.
This cor. is on N. side of wash, course W.
From this cor., the 1/4 sec. cor. of secs. 18 and 19, brs. S. 59° 20' E., 16.43 chs. dist.
Thence,
S. 59° 15' W., on true line, on the SE. end line (5-4-3) of claim.
 - 4.545 Set a sandstone 24x12x6 ins., 16 ins. in the ground for cor. No. 4 (SE. end center cor.) marked with a cross (x) at exact cor. point and

Segregation survey of the "Hector 16" lode Mining Claim, in
SW. of sec. 18, T. 23 S., R. 14 E.

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Chains.

- H. 16 No. 4 on NW. face, raise a mound of stone 3 ft. base,
2½ ft. high, NW. of cor.
- 9.09 Set a sandstone, 16x8x8 ins., 11 ins. in the ground, for
cor. No. 3 (SW. cor.), marked with a (x) at exact cor.
point and H 16 No. 3 on N. face; raise a mound of stone
3 ft. base, 2½ ft. high, N. of cor.
- Thence,
N. 30° 45' W. on a true line, on SW. side line (3-2) of claim.
Thru dense undergrowth.
- 2.20 Small barn, brs. E. about 40 lks. dist.
- 3.20 Tin house, brs. E. about 60 lks. dist.
- 7.05 Old mill brs. E. about 50 lks. dist.
- 10.30 Large sandy draw, course W.
- 17.25 Fence brs. N. and S.
- 19.47 Railroad brs. S. 17° E. and N. 17° W.
- 22.725 Set a granite stone 14x8x8 ins., 10 ins. in the ground,
for cor. No. 2 (NW. cor.), marked with a cross (x) at
exact cor. point and H 16 No. 2 on E. face. Cor. stands
in middle of road, which brs. N. and S. Built no
mound.
- Thence,
N. 59° 15' E., on true line, on SW. ¼ of the NW. end line (2-1-6)
- .94 Railroad brs. S. 14° E. and N. 17° W.
- 1.79 Fence brs. N. and S.
- 4.545 Cor. No. 1 (NW. end center cor.), the place of beginning,
hereinbefore described.
-

14
BOOK 3296

CERTIFICATE OF UNITED STATES SURVEYOR.

14

I, Arthur W. Brown, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 85, Arizona, bearing date of the 19th day of January, 1918, 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~~ **retraced** all those parts or portions of the Subdivision lines of Township 23 South, Range 14 East (sec. 18), West boundary of Township 23 South, Range 14 East, South boundary of the Baca Float, and surveyed all those parts or portions of the "Hector 16" unsurveyed Lode Mining claim, of the Gila and Salt River Base & Meridian, in the State of Arizona, which are represented in the foregoing field notes ^{and by diagram on page 1 hereof} as having been executed by me, and under my direction; and that all the corners of ~~said~~ ^{said retracement and} survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General, for Group 85, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such ~~survey~~ **retracement and survey.**

Arthur W. Brown
U. S. Surveyor.

San Francisco, Calif.
APPROVAL. *Dec. 8, 1919*

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, February 5, 1920.

The foregoing field notes of the ~~survey~~ **retracement** of part of the Subdivision lines of Township 23 South, Range 14 East (sec. 18), West boundary of Township 23 South, Range 14 East, portion of the South boundary of the Baca Float, and survey of the "Hector 16" unsurveyed Lode Mining Claim, of the Gila and Salt River Base and Meridian, in the State of Arizona,

executed by Arthur W. Brown, U. S. Surveyor, under his special instructions dated Jan. 19, 1918, for Group 85, Arizona, ~~and~~ ^{retracements &} having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

James D. Frost
U. S. Surveyor General.

~~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.~~