

BOOK 3771

# FIELD NOTES

OF THE RESURVEY OF

Part of the North Boundary and

Part of the Subdivision Lines of

TOWNSHIP 18 SOUTH, RANGE 25 EAST

AND OF THE SURVEY OF

the MAMMOTH, ANTELOPE and STAR mining claims

located within section 4 of

TOWNSHIP 18 SOUTH, RANGE 25 EAST

Of the Gila and Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

D.R. Averill, U.S. Surveyor

In the capacity of U. S. Surveyor, under Special Instructions dated Sept. 16, 1924, issued by the United States Surveyor General to govern surveys included in Group No. 133, Arizona, which were approved by the Commissioner of the General Land Office, October 2, 1924, and Assignment Instructions dated January 5, 1925.

Resurvey & Survey commenced March 11, 1925.

Resurvey & Survey completed March 13, 1925.

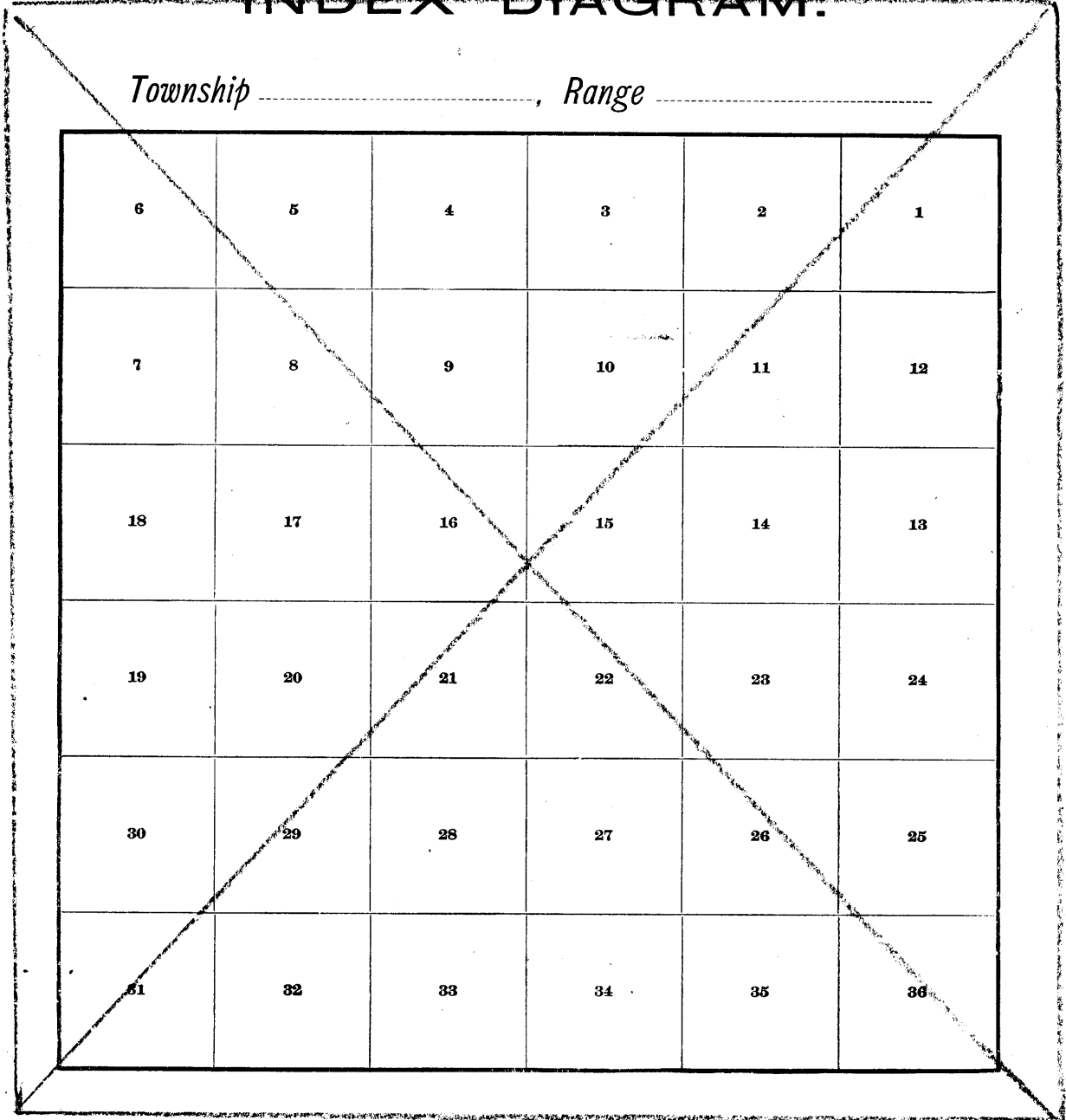
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Block 5771

# INDEX DIAGRAM.

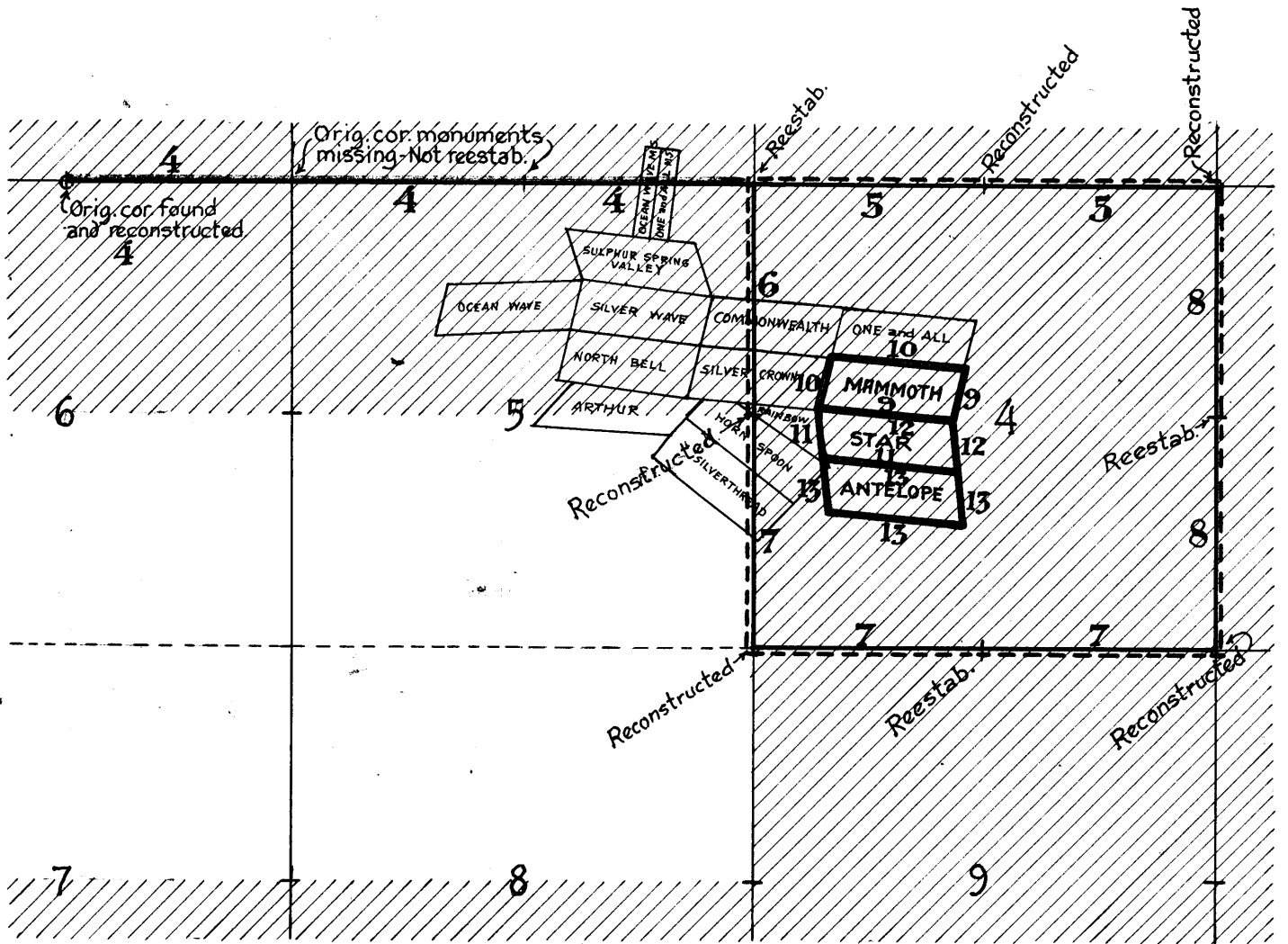
Township \_\_\_\_\_, Range \_\_\_\_\_









7A

Book "I"  
 GROUP 133- ARIZONA.  
 INDEX-DIAGRAM  
 Sec. 4, T.18S., R.25E.

BOOK 3771

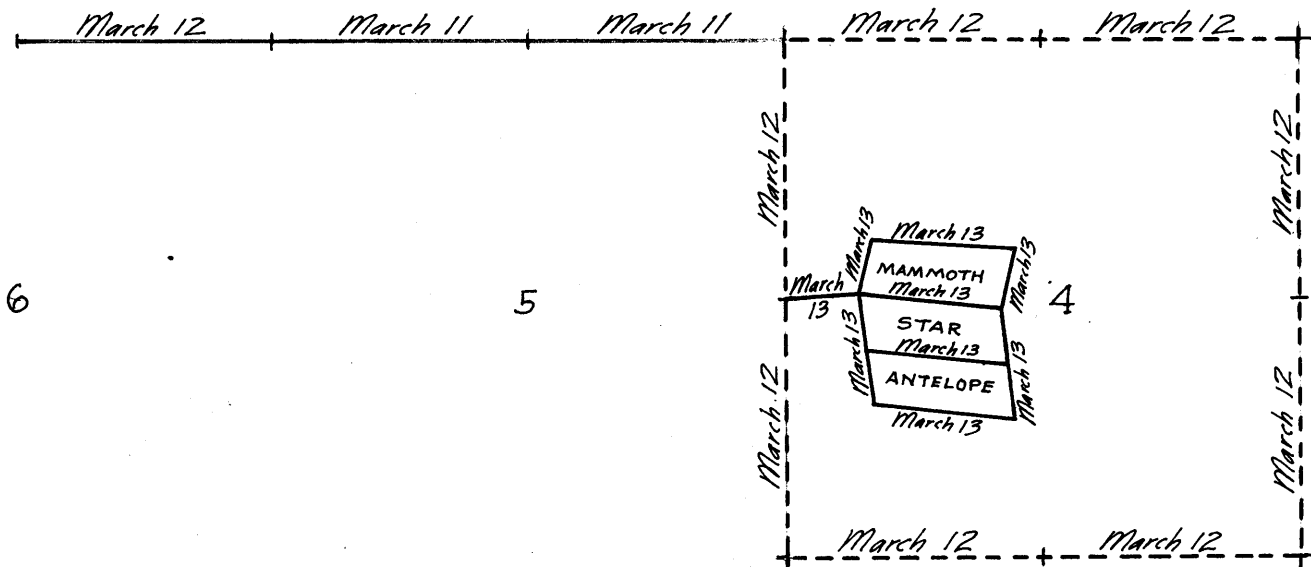


-  Surveyed under this Group.
-  Resurveyed under this Group.
-  Retraced for Resurvey (incomplete retracement)
-  Accepted surveys, retracements or resurveys.
-  Unsurveyed.
-  Areas surveyed as per accepted plats on file.

Book "I"  
 GROUP 133 - ARIZONA.  
 • DATE • DIAGRAM •  
 Sec. 4, T. 18 S. R. 25 E.

BOOK 3771

1925



————— Surveyed by Dupree R. Averill, U.S. Surveyor on dates shown thereon.

----- Resurveyed by Dupree R. Averill, U.S. Surveyor on dates shown thereon.

————— Retracement (for resurvey) by D.R. Averill, U.S.S. on dates shown thereon.

Resurveys and surveys hereinafter described were executed on dates shown on diagram on page 2 hereof, by Dupree R. Averill, U.S. Surveyor, using Buff and Buff solar transit No. 9984.

The instrument is equipped with a full vertical circle and Smith solar attachment.

Unless otherwise specified, all azimuth determinations are accomplished with the solar attachment.

March 10, 1925: Examine the adjustments of the instrument and find no errors; then, to test the solar apparatus by comparing its indications resulting from observations made during a.m. and p.m. hours with a meridian established by observation on Polaris, proceed as follows:

March 10, 1925; in camp in sec. 26, T. 17 S., R. 23 E., Gila and Salt River Base and Meridian, Arizona, in latitude  $31^{\circ} 55\frac{1}{2}'$  N., longitude  $109^{\circ} 58\frac{1}{2}'$  W., on meridian established by Roger F. Wilson, U.S. Transitman, by Polaris observation as described in Book "H" of this group, at 8h. 00m. a.m., app. t., set off  $31^{\circ} 55\frac{1}{2}'$  N. on the lat. arc,  $4^{\circ} 7'$  S. on the decl. arc, and determine a meridian with the solar, which agrees within  $1\frac{1}{2}'$  with the true meridian.

At 12h. 00m., app. noon, with the lat. arc unchanged, observe the sun on the meridian; the resulting reading of the decl. arc is  $4^{\circ} 3'$  S., which agrees with the computed declination of the sun.

At 4h. 00m. p.m. app. t., with the lat. arc unchanged, set off  $3^{\circ} 59'$  S. on the decl. arc and determine a meridian with the solar, which agrees within  $1\frac{1}{2}'$  with the true meridian.

As all of the solar observations made during the usual hours of solar work come within  $1\frac{1}{2}'$  of the true meridian, conclude that the adjustments of the instrument are satisfactory.

Unless otherwise specified, all measurements are made with Lufkin steel tapes, 5 chs. in length, compared with a Lufkin 1 ch. standard steel tape and found correct. The measurements are made on the slope, the vertical angles determined and the slope measurements properly reduced to true horizontal distances for entry in the field notes.

Resurvey of Part of the North boundary of T.18 S., R.25 E.  
( Bet.secs.4 and 33)

chains The North boundary of T.18 S., R.25 E. was surveyed in 1897 by P. Contzen, U.S.D.S. on a bearing of S.89°49'W., establishing  $\frac{1}{4}$  sec. and sec. cor. monuments alternately, at intervals of 40 chs. counting from the E. All of said cors. were established with a common reference to areas on both sides of the line.

No retracement or resurvey of any part of this line is of record.

The following notes describe a resurvey of the line bet. secs. 4 and 33 and incidental therewith, the reconstruction of the  $\frac{1}{4}$  sec. cor. of secs. 6 and 31, Ts. 17 & 18 S., R.25 E.

-----  
Retracement for Resurvey.  
-----

From the original cor. of secs. 3, 4, 33 & 34, Ts. 17 & 18 S., R.25 E., hereinafter described,

40.08 S.89°49'W., on random line, bet. secs. 4 & 33 (E.  $\frac{1}{2}$ )  
Fall 6 lks. N. of original  $\frac{1}{4}$  sec. cor., hereinafter described.  
True course and dist. of E.  $\frac{1}{2}$  of line bet. secs. 4 & 33 are therefore, S.89°44'W., 40.08 chs.

Thence  
40.00 S.89°49'W., on random line,  
Diligent search in this vicinity fails to reveal any trace of the original cor. of secs. 4, 5, 32 & 33.  
Set temp. cor. of said secs.

Continue line and measurement, searching diligently at record intervals for the original cor. monuments.  
Fail to find a trace of any old cor. until at  
160.28 Fall 19 lks. N. of the original  $\frac{1}{4}$  sec. cor. of secs. 6 & 31, hereinafter described.  
True course and dist. of the Tp. bdy. from  $\frac{1}{4}$  sec. cor. of secs. 4 & 33 to the  $\frac{1}{4}$  sec. cor. of secs. 6 & 31 are therefore, S.89°45'W., 160.28 chs., which gives 40.07 chs. as the proportional length of W.  $\frac{1}{2}$  of line bet. secs. 4 and 33.

-----  
RECONSTRUCTION of  $\frac{1}{4}$  sec. cor. of secs. 6 & 31.  
-----

The original  $\frac{1}{4}$  sec. cor. of secs. 6 & 31 is a partly decayed wood post, 4 ins. square, projecting 18 ins. above ground, firmly set, marked  $\frac{1}{4}$ S on N. face.

No accessories.

Reconstruct this cor. monument as follows:

alongside of wood post, set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in ground, for  $\frac{1}{4}$  sec. cor. of secs. 6 and 31, with brass cap marked

$\frac{1}{4}$   $\frac{S \ 31}{S \ 6}$

1925

No bearing trees available.

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

-----  
RESURVEY.  
-----

The original cor. of secs. 3, 4, 33 & 34, Ts. 17 & 18 S., R. 25 E., is a limestone 14x12x12 ins. above ground, firmly set, marked with 3 notches on each of E. and W. faces.  
No accessories.

Reconstruct this cor. monument as follows:

alongside old stone, set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in ground to bedrock, and raise a mound of stone around post, for cor. of secs. 3, 4, 33 and 34, marked on brass cap

Resurvey of Part of the North boundary of T.18 S., R.25 E.  
( Bet.secs.4 and 33)

chains

T17S R25E  
S33 S34  
S 4 S 3  
T18S  
1925

No bearing trees available.  
Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.  
Thence  
S. 89° 44' W., on true line, bet. secs. 4 and 33 (E.  $\frac{1}{2}$ ).  
Over gently rolling land, thru scattering undergrowth.  
Along fence.  
Descend 40 ft. over SW. slope to  $\frac{1}{4}$  sec. cor.  
20.06 Fence cor. from which fences extend E., W., and N.  
40.08 Intersect the original  $\frac{1}{4}$  sec. cor. of secs. 4 and 33, which  
is a wood post, 4 ins. square, projecting 16 ins. above  
ground, firmly set, and marked  $\frac{1}{4}$ S on N. face.  
No accessories.  
Reconstruct this cor. monument as follows:  
alongside old wood post, set an iron post, 3 ft. long,  
1 in. in diam., 26 ins. in ground, ~~for~~  $\frac{1}{4}$  sec. cor. of secs.  
4 and 33, marked on brass cap,

$\frac{1}{4}$  S 33  
S 4  
1925

No bearing trees available.  
Raise a mound of stone, 2 ft. base, 1  $\frac{1}{2}$  ft. high, N. of cor.  
Thence  
S. 89° 45' W., on true line, bet. secs. 4 and 33 (W.  $\frac{1}{2}$ )  
Over gently rolling land, thru scattering undergrowth.  
Along fence.  
Descend gradually over SW. slope.  
19.72 An old adobe house brs. N. 40 lks. dist.  
20.12 Fence cor. from which fences extend NW. and E.  
25.02 Road, brs. W. and S. 84° E. Thence over level land along  
road.  
34.92 Railroad track, on approximate 3° curve bearing NW. and  
SE. (Branch of Southern Pacific R.R. from Cochise to  
Gleeson)  
40.07 (Proportional dist.) Set an iron post, 3 ft. long, 2 ins. in  
diam., 34 ins. in ground, and deposit a stone marked with  
a cross (X) at base of post, for reestablished cor. of  
secs. 4, 5, 32 & 33, marked on brass cap

T17S R25E  
S32 S33  
S 5 S 4  
T18S  
1925

No bearing trees available.  
Accessories are impracticable as this cor. is located at  
S. edge of road, bearing E. and W.  
  
Land, gently rolling and level.  
Soil, loam gumbo, 1st and 3rd rate.  
Timber, none.  
Undergrowth, greasewood.

Resurvey of Part of the Subdivision Lines of T.18 S., R.25 E.  
(E., W. and S. bdrs. of sec. 4).

chains	<p>The subdivision lines of T.18 S., R.25 E., with the exception of line bet. secs. 5 &amp; 8, and line bet. secs. 6 &amp; 7, were surveyed in 1898 by J.A. Rockfellow, U.S.D.S.</p> <p>No retracement or resurvey of any of the subdivision lines of this tp. is of record.</p> <p>The following notes describe a resurvey of lines, bet. secs. 3 &amp; 4, bet. secs. 4 &amp; 9 and bet. secs. 4 &amp; 5.</p> <p>----- Retracement for Resurvey. -----</p>
39.88	<p>From cor. of secs. 3, 4, 33 &amp; 34 on N. bdy. of Tp., S. 0° 11' W., on random line, bet. secs. 3 &amp; 4.</p> <p>Diligent search in this vicinity fails to reveal any trace of the original <math>\frac{1}{4}</math> sec. cor. Set temp. <math>\frac{1}{4}</math> sec. cor. and continue line and measurement.</p>
80.10	<p>Fall 2 lks. W. of original cor. of secs. 3, 4, 9 &amp; 10, hereinafter described.</p> <p>True course and dist. of line bet. secs. 3 &amp; 4 are therefore S. 0° 10' W., 80.10 chs.</p> <p>-----</p>
39.94	<p>From cor. of secs. 3, 4, 9 &amp; 10, S. 89° 39' W., on random line, bet. secs. 4 &amp; 9.</p> <p>No trace of original <math>\frac{1}{4}</math> sec. cor. Set temp. <math>\frac{1}{4}</math> sec. cor. Continue line and measurement</p>
40.19	<p>At 38 lks. N. of this point find a stone marked <math>\frac{1}{4}</math>S on one face, lying on the ground.</p> <p>This is evidently the original <math>\frac{1}{4}</math> sec. cor. monument, but there is no trace of its original point of location.</p>
80.10	<p>Fall 5 lks. S. of original cor. of secs. 4, 5, 8 &amp; 9, hereinafter described.</p> <p>True course and dist. of line bet. secs. 4 &amp; 9 are therefore S. 89° 41' W., 80.10 chs.</p> <p>-----</p>
40.08	<p>From cor. of secs. 4, 5, 8 &amp; 9, N. 0° 12' E., on random line, bet. secs. 4 &amp; 5 (S. <math>\frac{1}{2}</math>)</p> <p>Fall 1 lk. W. of original <math>\frac{1}{4}</math> sec. cor., hereinafter described.</p> <p>True course and dist. of S. <math>\frac{1}{2}</math> of line bet. secs. 4 &amp; 5 are therefore, S. 0° 13' W., 40.08 chs.</p> <p>Thence</p>
40.11	<p>N. 0° 12' E., on random line, bet. secs. 4 &amp; 5 (N. <math>\frac{1}{2}</math>)</p> <p>Fall 7 lks. E. of reestablished cor. of secs. 4, 5, 32 &amp; 33, on N. bdy. of Tp., hereinbefore described.</p> <p>True course and dist. of N. <math>\frac{1}{2}</math> of line bet. secs. 4 &amp; 5 are therefore, S. 0° 6' W., 40.11 chs.</p> <p>-----</p>
	<p>RESURVEY.</p> <p>-----</p>
0.94	<p>From reestablished cor. of secs. 4, 5, 32 &amp; 33 on N. bdy. of Tp., hereinbefore described, S. 0° 6' W., on true line, bet. secs. 4 &amp; 5 (N. <math>\frac{1}{2}</math>)</p> <p>Over level land, thru scattering undergrowth.</p>
18.50	<p>Fence, bears E. and W.</p> <p>Fence, bears E. and W. Leave level and enter rolling land. Ascend 103 ft. over N. slope.</p>
19.70	<p>Old road, bears E. and W.</p>
24.90	<p>Low ridge, bears E. and W.</p>
40.11	<p>Descend 30 ft. over gradual SE. slope to intersect the original <math>\frac{1}{4}</math> sec. cor. of secs. 4 &amp; 5, which is a lava stone 11x9x9 ins. above ground, firmly set, marked <math>\frac{1}{4}</math> on W. face and witnessed by a mound of stone W. of cor.</p> <p>Reconstruct this cor. monument as follows: alongside old stone, set an iron post, 3 ft. long, 1 in. in diam., 15 ins. in ground to bedrock, deposit a stone marked with a cross (X) at base of post, and raise a mound of stone around post, for <math>\frac{1}{4}</math> sec. cor. of secs. 4 &amp; 5, marked on brass cap</p>



## Resurvey of Part of the Subdivision lines of T.18 S., R.25 E.

chains	No bearing trees available. Thence S.0°13'W., on true line, bet. secs. 4 & 5 (S. $\frac{1}{4}$ ) Over rolling land, thru scattering undergrowth. Descend over SE. slope to								
15.27	Fence, bears E. and W. Fence cor. brs. W. 17 lks. dist., from which fences extend E. and S. Leave rolling and enter level land.								
21.09	A point 33 lks. W. from Cor. No. 3 (SE. cor.) of "Silver- thread" patented lode mining claim, Mineral Survey No. 3062.								
40.08	Intersect the original cor. of secs. 4, 5, 8 & 9 which is a lava stone 14x8x6 ins. above ground, firmly set, marked with 4 notches on E. face and 5 notches on S. face and witnessed by a mound of stone W. of cor. No bearing trees. Reconstruct this cor. monument as follows: alongside old stone, set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in ground, for cor. of secs. 4, 5, 8 & 9, marked on brass cap								
	<table border="1"> <tbody> <tr> <td colspan="2">T18S R25E</td> </tr> <tr> <td>S 5</td> <td>S 4</td> </tr> <tr> <td>S 8</td> <td>S 9</td> </tr> <tr> <td colspan="2">1925</td> </tr> </tbody> </table>	T18S R25E		S 5	S 4	S 8	S 9	1925	
T18S R25E									
S 5	S 4								
S 8	S 9								
1925									
	No bearing trees available. From this cor. a fence bearing N. & S. brs. W. 2 lks. dist.  Land, rolling and level. Soil, loam and rocky, 1st and 3rd rate. Timber, none. Undergrowth, greasewood.								
	-----								
	The original cor. of secs. 3, 4, 9 & 10 is a wood post, 4 ins. square, projecting 14 ins. above ground, firmly set, and marked T18S S3 on E. face and S4 on W. face. No accessories. This sec. cor. is alongside fence cor. from which fences Reconstruct this cor. monument as follows: <u>extend E., S., and N.</u> alongside old wood post, set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in ground, for cor. of secs. 3, 4, 9 & 10, marked on brass cap								
	<table border="1"> <tbody> <tr> <td colspan="2">T18S R25E</td> </tr> <tr> <td>S 4</td> <td>S 3</td> </tr> <tr> <td>S 9</td> <td>S 10</td> </tr> <tr> <td colspan="2">1925</td> </tr> </tbody> </table>	T18S R25E		S 4	S 3	S 9	S 10	1925	
T18S R25E									
S 4	S 3								
S 9	S 10								
1925									
	No bearing trees available. Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Thence, S.89°41'W., on true line, bet. secs. 4 & 9. Over level open land.								
40.05	(Midpoint) Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in ground, with original marked stone cor. monument reset alongside, for reestablished $\frac{1}{4}$ sec. cor. of secs. 4 & 9, marked on brass cap								
	<table border="1"> <tbody> <tr> <td><math>\frac{1}{4}</math></td> <td>S 4</td> </tr> <tr> <td></td> <td>S 9</td> </tr> <tr> <td colspan="2">1925</td> </tr> </tbody> </table>	$\frac{1}{4}$	S 4		S 9	1925			
$\frac{1}{4}$	S 4								
	S 9								
1925									
	No bearing trees available. Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. At 36 lks. N. of this point the original $\frac{1}{4}$ sec. cor. mon- ument, a lava stone 20x9x6 ins. marked $\frac{1}{4}$ is found lying on the ground. Reset this stone alongside the reestablished $\frac{1}{4}$ sec. cor. as hereinbefore described.								
40.19	Road, bears N.30°W. and S.30°E.								
53.75	Leave level and enter rolling land. Asc. 35 ft. over NE. slope.								
65.10									

Resurvey of Part of the Subdivision lines of T.18 S., R.25 E.  
( E., W., and S. bdrs. of secs 4 )

chains  
72.80 Low ridge, bears NW. and SE. Desc. 35 ft. over W. slope to  
74.10 Leave rolling and enter level land.  
80.10 Intersect the cor. of secs. 4, 5, 8 & 9, hereinbefore described.

Land, level and rolling.  
Soil, gravelly loam, 1st rate.  
Timber, none.  
Undergrowth, greasewood.

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From cor. of secs. 3, 4, 33 & 34 on N. bdy. of Tp., hereinbefore described,  
S. 0° 10' W., on true line, bet. secs. 3 & 4.  
Over gently rolling open land. Desc. slightly over SW. s

4.10 Leave gently rolling and enter level land.  
9.40 Road, bears N. 85° W. and S. 85° E.  
12.60 Fence cor. from which fences extend E. and S.  
Thence along fence.  
39.99 (Proportional dist.) Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in ground, for reestablished  $\frac{1}{4}$  sec. cor. of secs. 3 & 4, marked on brass cap

S 4 | S 3  
1925

No bearing trees available.  
46.24 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Fence cor. from which fences extend N., N. 59° 11' W., and S. 59° 11' E. Thence across railroad right-of-way, fenced both sides.  
48.03 Railroad track, brs. N. 59° 11' W. & S. 59° 11' E. (Branch of Southern Pacific R.R. from Cochise to Gleeson)  
49.80 Fence cor. from which fences extend S., N. 59° 11' W. and S. 59° 11' E. Leave railroad R. of W. Thence along fence.  
80.10 Intersect cor. of secs. 3, 4, 9 & 10, hereinbefore described.  
Land, gently rolling and level.  
Soil, gravelly loam, 1st rate.  
Timber, none.  
Undergrowth, none.

Boundaries of Sec. 4, Township 18 South, Range 25 E.  
Latitudes, departures and closing errors.

Line designated	True Course	Dist.	Latitudes		Departures	
			N.	S.	E.	W.
South boundary	S. 89° 41' W.	80.10		.44		80.10
West boundary	N. 0° 13' E.	40.08	40.08		.15	
	N. 0° 6' E.	40.11	40.11		.07	
North boundary (N. bdy. of Tp.)	N. 89° 45' E.	40.07	.17		40.07	
	N. 89° 44' E.	40.08	.19		40.08	
East boundary	S. 0° 10' W.	80.10		80.10		.23
Convergency					.01	
Totals			80.55	80.54	80.38	80.33
			80.54		80.33	
Error in latitude			0.01			
Error in departure					0.05	

Survey of "Mammoth" mining claim.

Chains

RETRACEMENT FOR SURVEY

Cor. No. 3 of the "Silver Crown" patented lode claim, hereinafter described, is identical with the SW. location cor. of the claim.

Thence

S.84°32'E., on a random line, on S. side line of claim.

22.72

Set temp. Cor. No. 2 of the claim.

22.73

Intersect SE. location cor., which is a mound of stone.

From temp. Cor. No. 2 of the claim,

N.12°04'E., on a random line toward Cor. No. 3 of the "One and All" patented lode claim, which is visible.

9.10

Cor. No. 3 of the "One and All" patented lode claim, hereinafter described.

Thence

N.84°32'W., on random line, on S. side line of "One and All" claim

22.73

Intersect Cor. No. 2 of the "One and All" patented lode claim, hereinafter described.

Thence

S.12°04'W., on random line, on E. end line of "Silver Crown" claim

9.10

Intersect Cor. No. 3 of the "Silver Crown" patented lode claim, hereinafter described.

SURVEY

Cor. No. 3 of the "Silver Crown" patented lode claim, Survey No. 1249A, is a wood post, 4 ins. square, projecting 4 ft. above ground, marked SC No3 1249A. From it:

The  $\frac{1}{4}$  sec. cor. of secs. 4 and 5, T.18 S., R.25 E. brs. S.82°35'W., 12.31 chs. dist.

Cor. No. 3 of the "Rainbow" patented lode claim, Survey No. 3062, brs. N.87°37'W., 3 lks. dist.

Beside the wood post,

Set an iron post, 3 ft. long, 1 in. in dia., 27 ins. in the ground, for cor. No. 1 of the "Mammoth" and cor.

No. 1 of the "Star" mining claims, marked on brass cap



1925

Raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

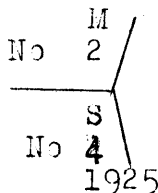
Thence

S.84°32'E., on true line, on S. side line (1-2) of the claim.

22.72

Set an iron post, 3 ft. long, 1 in. in dia., 25 ins. in the ground for cor. No. 2 of the "Mammoth" and cor.

No. 4 of the "Star" mining claims, marked on brass cap



1925

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Location cor. brs. S.84°32'E., 1 lk. dist.

Thence

N.12°04'E., on true line, on E. end line (2-3) of claim.

9.10

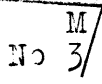
Intersect cor. No. 3 of the "One and All" patented lode claim, which is a wood post, 4 ins. square, projecting 3 ft. above ground, set in a mound of stone,

Chains

marked O+A 1249A.

Beside it

Set an iron post, 3 ft. long, 1 in. in dia., 4 ins. in the ground, with a stone marked with cross (+) deposited at base, for cor. No. 3 of the "Mammoth" mining claim, marked on brass cap

  
 No 3  
 1925

Raise a mound of stone, 4 ft. base, 2 ft. high, around post.

Thence

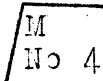
N. 84° 32' W., on true line, on N. side line (3-4) of the claim (also 2-3 line of "One and All").

22.73

Intersect cor. No. 2 of the "One and All", identical with cor. No. 3 of the "Commonwealth" and cor. No. 5 of the "Silver Crown", all of Survey No. 1249A. Cor. is a wood post, 4 ins. square, marked O+A2, C3, SC No 5, 1249A.

Beside wood post,

Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for cor. No. 4 of the "Mammoth" mining claim, marked on brass cap

  
 No 4  
 1925

Raise a mound of stone, 3 ft. base, 2 ft. high, SE. of cor.

Thence

S. 12° 04' W., on true line, on W. end line of claim (1-4) (also 5-5 line of "Silver Crown").

9.10

Intersect cor. No. 1 of the claim, hereinbefore described.

Survey of the "Star" mining claim.

Chains

Retracement for Survey

From cor. No. 1 of the "Star" mining claim, hereinbefore described.

S.5°05'E., on a random line, on W. end line (1-2) of the claim.

9.12 Intersect the SW. location cor., of the claim, which is a mound of stone.

Thence

S.84°33'E., on a random line, on S. side line (2-3) of the claim.

22.73 Set temp. cor. No. 3 of the claim, which is a mound of

22.76 Intersect SE. location cor., which is a mound of stone.

From temp. cor. No. 3

N.5°05'W., on a random line, on E. end line (3-4) of the claim.

9.12 Intersect cor. No. 4 of the claim, hereinbefore described.

Thence

N.84°32'W., on a random line, on N. side line of the claim.

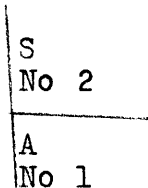
22.72 Intersect cor. No. 1 of the claim, hereinbefore described.

SURVEY

From cor. No. 1 of the "Star" mining claim, hereinbefore described.

S.5°05'E., on a true line, on W. end line (1-2) of the claim.

9.12 Set an iron post, 3 ft. long, 1 in. in dia., 27 ins. in the ground, for cor. No. 2 of the "Star" and cor. No. 1 of the "Antelope" mining claims, marked on brass cap



1925

Replace location mound in orig. position, around post. Raise a mound of stone, 3 ft. base, 1½ ft. high, E. of cor.

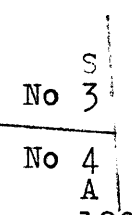
From the cor.

Cor. No. 2 (NE) of the "HornSpoon" patented lode claim, Survey No. 3062, which is a wood post, 4 ins. square, projecting 3 ft. above ground, marked NEC HS2-3062 WCE A 1, brs. S.24°45'E., 1.05 chs. dist.

From cor. No. 2 of the claim,

S.84°33'E., on a true line, on S. side line (2-3) of the claim (also N. side line of "Antelope").

22.73 Set an iron post, 3 ft. long, 1 in. in dia., 25 ins. in the ground, for cor. No. 3 of the "Star" and cor. No. 4 of the "Antelope" mining claims, marked on brass cap



1925

Raise a mound of stone, 3 ft. base, 1½ ft. high, W. of cor.

Thence Location cor., a mound of stone, brs. S.84°33'E., 3 lks. dist.

## Survey of the "Star" mining claim.

Chains	N.5°05'W., on a true line, on E. end line (3-4) of the claim.
9.12	On W. side of fence, paralleling line 3 lks. dist. Intersect cor. No. 4 of the claim, hereinbefore described.
	Thence
22.72	N.84°32'W., on N. side line (1-4) of the claim ( also S. side line of the "Mammoth" claim). Intersect Cor. No. 1. of the claim, hereinbefore described.

## Survey of the "Antelope" mining claim.

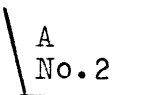
13

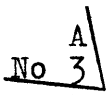
Chains

## RETRACEMENT FOR SURVEY

- From cor. No 1 of the "Antelope" mining claim, identical with cor. No. 2 of the "Star" mining claim, hereinbefore described,  
S.5°05'E., on a random line, on W. end line (1-2) of the claim.
- 9.10 Intersect the SW. location cor. of the claim, a mound of stone.
- Thence  
S.84°33'E., on a random line, on S. side line (2-3) of the claim.
- 22.73 Set temp. cor. No. 3 of claim, a mound of stone, 4 lks. E.  
22.77 Intersect SE. location cor., which is a mound of stone.
- From temp. cor. No. 3 of claim,  
N.5°05'W., on a random line, on E. end line (3-4) of the claim.
- 9.09 Intersect cor. No. 4 of the claim, hereinbefore described.
- Thence  
N.84°33'W., duplicating S. side line of "Star" claim,  
22.73 Intersect cor. No. 1 of the claim, hereinbefore described.

SURVEY

- From cor. No. 1 of the "Antelope" mining claim, hereinbefore described,  
S.5°05'E., on a true line, on the W. end line (1-2) of the claim.
- 9.10 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for cor. No. 2 of the "Antelope" mining claim, marked on brass cap
- 

1925
- Replace location mound in orig. position, around post. Raise a mound of stone, 3 ft. base, 1½ ft. high, NE. of cor.
- Thence  
S. 84°33'E., on a true line, on S. side line (2-3) of the claim.
- 22.73 Along fence, on S. side line (2-3) of claim.  
Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for cor. No. 3 of the "Antelope" mining claim, marked on brass cap
- 

1925
- Raise a mound of stone, 3 ft. base, 1½ ft. high, NW. of cor.
- Original location cor., a mound of stone, bears S.84°33'E., 4 lks. dist.
- From cor. No. 3 of claim,  
N.5°05'W., on a true line, on E. end line (3-4) of the claim.
- 9.09 Intersect cor. No. 4 of the claim (also cor. No. 3 of the "Star" claim), hereinbefore described.
- Thence  
N.84°33'W., on N. side line (1-4) of the claim (also S. side line of the "Star" claim)..
- 22.73 Intersect cor. No. 1 of the claim, hereinbefore described.

Boundaries of Segregated mining Claims.  
Latitudes, Departures and Closing Errors.

Line designated	True Course	Dist.	Latitudes		Departures	
			N.	S.	E.	W.
S. side line "Antelope"	N. 84° 33' W.	22.73	2.16			22.63
W. end lines "Antelope", "Star" and "Mammoth"	N. 5° 05' W. N. 12° 04' E.	18.22 9.10	18.15 8.90		1.90	1.61
N. side line "Mammoth"	S. 84° 32' E.	22.73		2.17	22.63	
E. end lines "Mammoth", "Star" and "Antelope"	S. 12° 04' W. S. 5° 05' E.	9.10 18.21		8.90 18.14	1.61	1.90
Totals			29.21	29.21	26.14	26.14
Error			.00		.00	

The continued satisfactory adjustment of the instrument throughout the foregoing survey is indicated from tests shown in Book "10" of this Group.



OFFICE OF THE COUNTY RECORDER  
Cochise County, Tombstone, Arizona

CERTIFICATE OF ADDITIONAL AND AMENDED LOCATION.

THIS IS TO CERTIFY that a Mining Claim named the MAMMOTH was located by Alex Wight and Geo. Vanderman on the 27th day of June, 1895, situate in Turquoise Mining District, Cochise County, Arizona, and amended in 1899 as per survey of Geo. J. Roskrugs, U. S. Mineral Surveyor, said amended notice having been placed on the ground but not filed for record, and the claim properly monumented and corners marked as given below, by Common-wealth Mining & Milling Company, their successors and present owner, for the purpose of placing upon the records of the County, wherein this claim is situated, a more accurate and definite description of said claim. This Amendment is made without waiver or prejudice of any rights heretofore held under said location.

Said Mining Claim is 1500 feet in linear length along the lode, with a width of 300 feet on each side of the center thereof. The exterior boundaries are marked at the four corners and at the side and end centers by posts, 4" x 4", 4½ feet in length, set in the earth, surrounded by monuments of stone of legal dimensions with the appropriate markings on each of said monuments. The Discovery monument is similar in character.

The general course of the vein is Easterly and Westerly, with a linear distance of 1500 feet in an easterly direction from the location monument and 0 feet in a westerly direction from the location monument, and more particularly described as follows:

Beginning at Cor. No. 1 the S. W. Cor. Mammoth Lode identical with Cor. No. 3 Silver Crown lode, from which U. S. L. M. No. 1249 A & B bears N. 70 degrees 16' W. 1890 feet; Thence N. 12 degrees 7' E. 300 feet to location discovery monument and W. Center end of Mammoth Lode, identical with Cor. No. 4 Silver Crown lode, 600 feet to Cor. No. 2, the N. W. Cor. Mammoth lode, identical with Cor. No. 5 Silver Crown No. 3 Common-Wealth and Cor. No. 2 One and All lodes; thence S. 84 degrees 29' E. 1500 feet to Cor. No. 3 the N. E. Cor. Mammoth lode, identical with Cor. No. 3 One and All lode; thence, S. 12 degrees 7' W. 300 feet to E. Center End, 600 feet to Cor. No. 4 the S. E. Cor. Mammoth Lode; thence N. 84 degrees 29' W. 1500 feet to Cor. No. 1 the place of beginning. The Silver Crown, Common-wealth and One and All lodes are embraced in U. S. Survey No. 1249-A.

The location work is situate about 30 feet in an easterly direction from the location monument, and consists of a shaft 4 x 6 x 10 feet deep.

Natural objects or permanent monuments are as follows: to-wit: Said Mammoth lode is located about three-fourths of a mile Easterly from town of Pearce.

Dated August 1st, 1916.

COMMON-WEALTH MINING & MILLING CO.,

By ARTHUR H. LAWRY,

As its General Superintendent,  
and as its Attorney in Fact.

(SEAL)

AMENDING LOCATOR.

Filed and recorded at request of Common-wealth M. & M. Co., Aug. 9, 1916, at 3:15 P. M. in Book 50 Record of Mines Pages 490-491.

By Geo. M. Wales, Deputy Owen E. Murphy, County Recorder.

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CERTIFICATE.

STATE OF ARIZONA, )  
County of Cochise) SS

I, H. L. HUTCHISON, County Recorder in and for the County of Cochise, State of Arizona, do hereby certify that the annexed and foregoing is a full, true and correct copy of CERTIFICATE OF ADDITIONAL AND AMENDED LOCATION of the MAMMOTH Lode claim, bearing date August 1st, 1916, Filed Aug. 9, 1916 at 3:15 P. M. as appears of record now in this office in Book 50 Record of Mines at Pages 490-491.

(SEAL) IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, at my office in Tombstone, this 8th day of MAY A. D. 1924.

H. L. Hutchison County Recorder  
By Deputy

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193

17

OFFICE OF THE COUNTY RECORDER  
Cochise County, Tombstone, Arizona  
CERTIFICATE OF ADDITIONAL AND AMENDED LOCATION.

THIS IS TO CERTIFY that a Mining Claim named the ANTELOPE was located by Alex Wight and Geo. Vanderman on the 27th day of June 1895, situate in Turquoise Mining District, Cochise County, Arizona, and amended in 1899 as per survey by Geo. J. Roskrage, U. S. Mineral Surveyor, said amended notice having been placed on the ground but not filed for record, and the claim properly monumented and corners marked as given below, by Common-wealth Mining & Milling Company, their successor and present owner, for the purpose of placing upon the records of the County, wherein this claim is situated, a more accurate and definite description of said claim. This amendment is made without waiver or prejudice of any rights heretofore held under said location.

Said Mining Claim is 1500 feet in linear length along the lode with a width of 300 feet on each side of the center thereof. The exterior boundaries are marked at the four corners and at the side and end centers by posts, 4" x 4", 4½ feet in length, set in the earth, surrounded by monuments of stone of legal dimensions with the appropriate markings on each of said monuments. The Discovery monument is similar in character.

The general course of the vein is easterly and westerly, with a linear distance of 1500 feet in an easterly direction from the location monument, and 0 feet in a westerly direction from the location monument, and more particularly described as follows:

Beginning at Cor. No. 1, the N. W. Cor. ANTELOPE lode identical with the S. W. Cor. Star lode, from which U. S. L. M. No. 1249 A & B bears N. 55 degrees 59' 40" W. 2209.9 feet; thence S. 84 degrees 29' E. 1500 feet to Cor. No. 2, the N. E. Cor. of the Antelope lode, identical with the S. E. Cor. Star Lode; thence S. 5 degrees 2' E. 300 feet to E. Center End 600 feet to Cor. No. 3, the S. E. Cor., Antelope Lode; thence N. 84 degrees 29' W. 1500 feet to Cor. No. 4, the S. E. Cor. Antelope lode; thence N. 5 degrees 2' W. 300 feet to location discovery monument and W. center end Antelope lode, 600 feet to Cor. No. 1 the place of beginning.

The location work is situate about 1350 feet in an easterly direction from the location discovery monument and consists of a shaft 4 x 6 x 10 feet deep.

Natural objects or permanent monuments are as follows, to-wit: Said Antelope lode is located about three-fourths of a mile easterly from the town of Pearce.

Dated: August 1st, 1916

COMMON-WEALTH MINING & MILLING CO.,  
By ARTHUR H. LAWRY,  
As its General Superintendent and  
as its Attorney in Fact.  
AMENDING LOCATOR.

(CORP. SEAL)

Filed and recorded at request of Commonwealth M & M CO., Aug 9, 1916, at 3:15 P. M. in Book 50 Record of Mines Page 492-493.

By LESSIE LOE, Deputy

OWEN E. MURPHY, County Recorder.

C E R T I F I C A T E

STATE OF ARIZONA, )  
County of Cochise ) SS

I, H. L. HUTCHISON, County Recorder in and for the County of Cochise, State of Arizona, do hereby certify that the annexed and foregoing is a full, true and correct copy of CERTIFICATE OF ADDITIONAL AND AMENDED LOCATION of ANTELOPE lode mining claim, bearing date August 1st, 1916, Filed Aug. 9, 1916 at 3:15 P. M. as appears of record now in this office in Book 50 Record of Mines at Pages 492-493.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed  
(SEAL) my official seal, at my office in Tombstone, this 8th  
day of MAY A. D. 1924.

H. L. Hutchison County Recorder

By \_\_\_\_\_

Deputy.

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OFFICE OF THE COUNTY RECORDER  
 Cochise County, Tombstone, Arizona  
 CERTIFICATE OF ADDITIONAL AND AMENDED LOCATION.

THIS IS TO CERTIFY, That a mining claim named the STAR was located by Alex Wight and Geo. Vanderman on the 27th day of June, 1895, situate in Turquoise Mining District, Cochise County, Arizona, and amended in 1899 as per survey by Geo. J. Roskrage, U. S. Mineral Surveyor, said amended notice having been placed on the ground but not filed for record, and the claim properly monumented and corners marked as given below, by Commonwealth Mining & Milling Company, their successor and present owner, for the purpose of placing upon the records of the County, wherein this claim is situated, a more accurate and definite description of said claim. This amendment is made without waiver or prejudice of any rights heretofore held under said location.

Said mining claim is 1500 feet in linear length along the lode, with a width of 300 feet on each side of the center thereof. The exterior boundaries are marked at the four corners and at the side and end centers by posts, 4" x 4", 4 1/2 feet in length, set in the earth, surrounded by monuments of stone of legal dimensions with the appropriate markings on each of said monuments. The Discovery monument is similar in character.

The general course of the vein is easterly and westerly, with a linear distance of 1500 feet in an easterly direction from the location monument and 0 feet in a westerly direction from the location monument, and more particularly described as follows:

Beginning at Cor. No. 1, the N. W. Cor. Star lode, identical with Cor. No. 3 Silver Crown lode U. S. Survey No. 1249 A & B and S. W. Cor. Mammoth lode, from which U. S. L. M. No. 1249 A & B bears N. 70 degrees 16' W. 1890 feet; thence S. 84 degrees 29' E. 1500 feet to Cor. No. 2, the N. E. Cor. Star lode, identical with the S. E. Cor. Mammoth lode; thence S. 5 degrees 2' E. 300 feet to E. Center End, 600 feet to Cor. No. 3, the S. E. Cor. Star lode; thence N. 84 degrees 29' W. 1500 feet to Cor. No. 4, the S. W. Cor. Star lode; thence N. 5 degrees 2' W. 300 feet to location discovery monument and W. Center End of Star lode, 600 feet to Cor. No. 1, the place of beginning.

To location work is situate about 750 feet in an easterly direction from location discovery monument and consists of a shaft 4 x 6 x 10 feet deep.

Natural object or permanent monuments are as follows, to-wit: said Star lode is located about three-fourths of a mile easterly from the town of Pearce.

Dated August 1st, 1916. COMMON-WEALTH MINING & MILLING CO.,

By ARTHUR H. LAWRY

As its General Superintendent and as its Attorney in Fact.

AMENDING LOCATOR.

(SEAL)

Filed and recorded at request of Commonwealth M & M CO., AUG. 9, 1916, at 3:15 P. M. in Book 50 Record of Mines Pages 491-492.

By Lessie Loe, Deputy. Owen E. Murphy, County Recorder.

CERTIFICATE.

STATE OF ARIZONA, )  
 County of Cochise ) ss

I, H. L. HUTCHISON, County Recorder in and for the County of Cochise, State of Arizona, do hereby certify that the annexed and foregoing is a full, true and correct copy of CERTIFICATE OF ADDITIONAL AND AMENDED LOCATION of the STAR lode claim bearing date August 1st, 1916, Filed Aug. 9, 1916 at 3:15 P. M. as appears of record now in this office in Book 50 Record of Mines at Pages 491-492.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, at my office in Tombstone, this 8th day of May A. D. 1924.

(SEAL)

H. L. Hutchison County recorder

By \_\_\_\_\_ Deputy.

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4-680

FIELD ASSISTANTS. TO  
D.R. AMERILL, U.S. SURVEYOR

NAMES.	CAPACITY.
A.F. Ahrens	First Chainman
Carl Anderson	Second Chainman
J.E. Kirkpatrick	Flagman
Ralph Gibson	Axman
C.S. Davis	Cornerman

## CERTIFICATE OF UNITED STATES SURVEYOR.

I, Dupree R. Averill, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group No. 133, Arizona bearing date of the 16th day of September, 1924, 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, <sup>re</sup> surveyed all those parts or portions of the North Boundary and Subdivision lines of Township 18 South, Range 25 East, and surveyed all those parts or portions of the Boundaries of the "Mammoth," "Star," and "Antelope" lode mining claims, situated in Section 4 of Township 18 South, Range 25 East of the Gila and Salt River Base Meridian, in the State of Arizona, which are represented in the foregoing field notes <sup>and by diagram on page 2 hereof</sup> as having been executed by me, and under my direction; and that all the corners of said <sup>resurvey</sup> ~~resurvey~~ 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 No. 133, Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such <sup>re</sup> survey, and survey.

Place: Imperial, Calif.  
Date: June 9, 1926.

Dupree R. Averill  
U. S. Surveyor.

## APPROVAL.

OFFICE OF THE U.S. SUPERVISOR OF SURVEYS,

Denver, Colo., May 4, 1927.

The foregoing field notes of the <sup>re</sup> survey of

Part of the North Boundary and  
Part of the Subdivision Lines of  
T. 18 S. - R. 25 E.

and of the survey of the Boundaries of "Mammoth," "Star," and "Antelope" lode mining claims, situated in Section 4 of Township 18 South, Range 25 East of the Gila and Salt River Base and Meridian, in the State of Arizona

executed by Dupree R. Averill, U.S. Surveyor

under his special instructions dated Sept. 16, 1924 for Group 133, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the <sup>re</sup> surveys and surveys they describe, are hereby approved.

Walter Johnson  
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.~~