

MINERAL SURVEY No. 3551

LOT No.

Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Alma Clason

KNOWN AS THE

Almette, Aldinga, Willunga, Laura, Morning Star No 3, Adelaide, Anita and Calvert lodes

Warren Mining District,

Cochise County, Arizona

Section 7, 8, 17 and 18 Unapp'd Township 23 S., Range 24 E. Unapp'd.

Surveyed under instructions dated November 30th, 1918.

by Ralph L. Motz U. S. Mineral Surveyor.

Claim located see location notices, 19

Survey commenced December 9th, 1918., 19

Survey completed December 30th, 1918, 19

Address of claimant's attorney, Cleon T. Knapp, Attorney, Bisbee, Arizona.

DATES OF AMENDED LOCATIONS.

MINERAL SURVEY NO. 3551

	M & B Desc.	Improvements	Loc. Notices
	Pg.	Pg.	<u>Red Pg.</u>
Claims			
Adelaide	10	16	6
Aldinga	5	15	2
Almette	6	15	1
Anita	7	15	7
Calvert	1	13	8
Laura	2	13	4
Morning Star No. 3	4	14	5
Willunga	9	16	3

Feet.	
	CALVERT lode.
	Beginning at Cor No 1, the N W Cor, identical with location, a pine post 4 ft long 4 ins sq set 18 ins in the ground in a mound of stones and scribed 1-3551 C,
	U. S. M. M. No. 1725 Warren Mining District brs N 20° 10' W 9074.0 ft.
	thence S 75° 17' E
326.3	to original location for north end center, being a mound of stones 3 ft high with a 3 ft base,
364.4	intersect northwest side of house at N 44° E 3.9 ft from the southwest corner,
381.6	intersect southeast side of house at N 44° E 12.2 ft from the southeast corner,
411.1	cross gulch, course northeasterly and southwesterly,
433.2	intersect line 4-5 Bisbee Townsite Survey at N 23° 30' E 488.1 ft from Cor No 4,
652.6	to Cor No 2, the N E Cor, identical with location, a pine post 4 ft long 4 ins sq set 18 ins in the ground in a mound of stones and scribed 2-3551 C, whence Cor No 4 Bisbee Townsite Survey brs S 46° 05' W 564.9 ft, Cor No 3 Sur No 2674 Morning Star No 2 lode brs S 46° 52' W 568.8 ft.
	thence S 37° 53' W
538.5	intersect line 3-4 Bisbee Townsite Survey and line 3-4 Sur No 2674 Morning Star No 2 lode at S 66° 30' E 83.1 ft and 92.1 from Cors No 4 and 3 of Bisbee Townsite Survey and Sur No 2674 Morning Star No 2, lode, respectively,
704.3	intersect line 2-3 Sur No 2674 Morning Star No 2 lode at S 5° 54' W 168.5 ft from Cor No 3,
953.2	intersect line 5-6 Sur No 2133 Morning Star lode at N 54° 13' E 651.5 from Cor No 5,
1500.0	to Cor No 3, the S E Cor, identical with location and situated on lines 4-5 and 1-2 of Sur No 2133 Morning Star lode and Morning Star No 3 lode of this survey, respectively, a X and 3-3551 CALVERT, chiseled on a quartzite ledge 90 x 909 x 30 ins high. Ledge brs S 75° 17' E and N 75° 17' W, whence a X and B R 3-3551 chiseled on same ledge

Feet. brs S 75° 17' E 10.1 ft, and a second X and B R 3-3551
 chiseled on same ledge brs N 75° 17' W 6.3 ft.
 thence N 75° 17' W
 199.3 along lines 4-5 and 2-1 of Sur No 2133 Morning Star lode
 and Morning Star No 3 lode of this survey, respectively,
 to Cor No 5 Sur No 2133 Morning Star lode,
 326.3 to original location for south end center, being a mound
 of stones 3 ft high with a 3 ft base,
 652.6 to Cor No 4, the S W Cor, identical with location and
 situated on lines 1-2 and 1-2 of Sur No 1834 Cockney Hill
 lode and Morning Star No 3 lode of this survey respect-
 ively, at N 37° 53' E 211.6 ft from Cor No 2 Sur No 1834
 Cockney Hill lode, a redwood post 4 ft long 4 ins sq set
 18 ins in the ground in a mound of stones and scribed
 4-3551 C, whence a quartzite ledge with 24 x 28 x 6 ins
 high exposure chiseled B R x 4-3551 brs N 71° 33' W 19.9
 ft and a second quartzite ledge with 27 x 29 x 4 ins high
 exposure with like chiseling brs N 19° 52' E 7.6 ft. Cor
 No 1 Sur No 1834 Shoemakers Last Chance lode brs N 55°
 53' E 847.1 ft.
 thence N 37° 53' E
 659.1 along line 2-1 Sur No 1834 Cockney Hill lode to Cor No 1
 Sur No 1834 Cockney Hill lode, also intersect line 1-2
 Sur No 1834 Shoemakers Last Chance lode at N 81° 22' W
 300.0 ft from Cor No 1,
 763.0 cross gulch, course easterly and westerly
 1334.9 intersect line 4-1 Sur No 1834 Shoemakers Last Chance
 lode at N 11° 34' E 590.4 ft from Cor No 1,
 1500.0 to Cor No 1, the place of the beginning.

 LAURA lode.

Beginning at Cor No 1, the N W Cor, identical with location
 a pine post 4 ft long 4 ins sq set 18 ins in the ground in
 a mound of stones and scribed 1-3551 L, whence the 1/4 Cor
 between Secs. 7 and 8, T 23 S, R 24 E, G & S R B & M brs
 N 32° 04' E 790.5 ft and U. S. M. M. No. 1725 Warren
 Mining District brs N 3° 49' W 9305.6 ft.

Feet.

- 731.2 cross gulch, course northeasterly and southwesterly,
 1073.0 intersect line 3-4 Sur No 1834 Cockney Hill lode at N 37°
 46' E 280.3 ft from Cor No 3,
 1500.0 to Cor No 2, the N E Cor, identical with location and with
 Cor No 1 Morning Star No 3 lode of this survey, a pine
 post 4 ft long 4 ins sq set 18 ins in the ground in a
 mound of stones and scribed 2-3551 L, whence Cor No 3 Sur
 No 1834 Cockney Hill lode brs S 79° 03' W 595.5 ft.
 thence S. 24° 25' W
 179.8 cross gulch, course northwesterly and southeasterly,
 207.4 intersect line 2-3 Sur No 1834 Cockney Hill lode at S 81°
 22' E 504.7 ft from Cor No 3,
 304.0 to east end center, identical with location and west end
 center of Morning Star No 3 lode this survey, being a
 mound of stones 3 ft high with a 3 ft base,
 606.1 to Cor No 3, the S E Cor, identical with location and with
 Cors No 1, 2 and 4 of Almette, Aldinga and Morning Star No
 3 lodes all of this survey, respectively, a redwood post
 4 ft long 4 ins sq set 18 ins in the ground in a mound of
 stones and scribed 3-3551 L, whence a quartzite boulder in
 place 18 x 42 x 19 ins above ground and chiseled BR x 3-3551
 brs S 28° 31' E 20.3 ft and a second quartzite boulder in
 place 33 x 67 x 20 ins above ground with like chiseling
 brs S 78° 22' E 8.3 ft.
 thence N 75° 17' W
 1105.0 cross gulch, course northeasterly and southwesterly,
 1500.0 to Cor No 4, the S W Cor, identical with location and with
 Cor No 1 Aldinga lode of this survey, a pine post 4 ft long
 4 ins sq set 18 ins in the ground in a mound of stones and
 scribed 4-3551 L, whence a quartzite boulder with 39 x 60
 x 33 ins high exposure and chiseled BR x 4-3551 brs S 64°
 53' W 10.5 ft, and a second quartzite boulder with 25 x 38
 x 15 ins high exposure with like chiseling brs S 42° 18' E
 6.5 ft.
 thence N 24° 25' E
 302.1 to original location for west end center, being a mound

Feet. of stones 3 ft high with a 3 ft base,
 606.1 to Cor No 1, the place of the beginning.

 Morning Star No 3 lode.
 Beginning at Cor No 1, the N W Cor, identical with location
 and with Cor No 2 Laura lode of this survey, heretofore
 described to which I add 1-3551 M S 3 for this claim.
 Cor No 2 Sur No 1834 Cockney Hill lode brs S 1° 50' E
 203.0 ft. U. S. M. M. No. 1725 Warren Mining District
 brs N 12° 05' W 9885.2 ft.
 thence S 75° 17' E
 141.1 to Cor No 4 Calvert lode this survey, also intersect line
 1-2 Sur No 1834 Cockney Hill lode at N 37° 53' E 211.6
 ft from Cor No 2,
 467.4 to south end center Calvert lode of this survey,
 594.4 to Cor No 5 Sur No 2133 Morning Star lode,
 793.7 to Cor No 3 Calvert lode of this survey,
 961.3 cross gulch, course northeasterly and southwesterly,
 1360.3 intersect west side line of barn at N 1° 30' W 15.2 ft
 from the southwest corner,
 1385.9 intersect east side line of barn at N 1° 30' W 1.5 ft
 from the southeast corner,
 1500.0 to Cor No 2, the N E Cor, identical with location and with
 Cor No 4 Sur No 2133 Morning Star lode, and situated on line
 3-4 Sur No 1670 Contention lode at S 24° 25' W 25.3 ft
 from Cor No 4, a pine post 4 ft long 4 ins sq set 18 ins
 in the ground in a mound of stones and scribed 2-3551 M
 S 3. No bearings available.
 thence S 24° 25' W
 304.0 along line 4-3 Sur No 1670 Contention lode to original
 location for east end center, being a mound of stones
 3 ft high with a 3 ft base,
 571.7 to Cor No 3 Sur No 1670 Contention lode. also intersect
 line 3-4 Sur No 3166 Moonlight lode at S 86° 52' E 323.8
 ft from Cor No 3,
 606.1 to Cor No 3, the S E Cor, identical with location and
 with Cor No 2 Almette lode of this survey, a pine post

Feet. 4 ft long 4 ins sq set 18 ins in the ground in a mound of stones and scribed 3-3551 M S 3, whence a quartzite ledge with 15 x 58 x 28 ins high exposure chiseled B R x 3-3551 brs S 27° E 23.7 ft., and a second quartzite ledge with 9 x 36 x 10 ins high exposure with like chiseling brs S 87° 06' E 20.4 ft., and Cor No 3 Sur No 3166 Moonlight lode brs N 80° 59' W 313.0 ft.

thence N 75° 17' W

159.6 intersect line 3-4 Sur No 3166 Moonlight lode at S 86° 52' E 154.9 ft from Cor No 3

780.0 cross gulch, course northerly and southerly,

1500.0 to Cor No 4, the S W Cor, identical with location and with Cor No 3 Laura lode heretofore described to which I add 4-3551 M S 3 for this claim.

thence N 24° 25' E

302.1 to west end center, identical with location and with east end center Laura lode heretofore described.

398.7 intersect line 2-3 Sur No 1834 Cockney Hill lode at N 81° 22' W 93.3 ft from Cor No 2,

426.2 cross gulch, course northwesterly and southeasterly.

606.1 to Cor No 1, the place of the beginning.

Aldinga lode.

Beginning at Cor No 1, the N W Cor, identical with location and with Cor No 4 Laura lode of this survey, heretofore described to which I add 1-3551 ALD for this claim.

U. S. M. M. No. 1725 Warren Mining District brs N 2° 09' W 9843.8 ft.

thence S 75° 17' E

395.0 cross gulch, course northeasterly and southwesterly,

1500.0 to Cor No 2, the N E Cor, identical with location and with Cor No 3 Laura lode of this survey, heretofore described to which I add 2-3551 ALD for this claim.

thence S 23° 11' W

300.0 along line 1-4 Almette lode of this survey to east end center identical with location and west end center Almette lode of this survey, being a mound of stones 3 ft high with a 3 ft base,

600.0 to Cor No 3, the S E Cor, identical with location and with Cor No 4 Almette lode of this survey, and situated on line

Feet.

3-4 Anita lode of this survey, a redwood post 4 ft long 4 ins sq set 18 ins in the ground in a mound of stones and scribed 3-3551 ALD, whence a quartzite rock with 21 x 27 x 10 ins high exposure and chiseled BR x 3-3551 brs S 55° 10' W 14.0 ft., and a second quartzite rock with 77 x 100 x 54 ins high exposure with like chiseling brs N 59° 42' E 9.7 ft.

thence N 75° 17' W

500.9 to Cor No 3 Anita lode of this survey,
1270.4 cross gulch, course northeasterly and southwesterly,
1500.0 to Cor No 4, the S W Cor, identical with location, a pine post 4 ft long 4 ins sq set 18 ins in the ground in a mound of stones and scribed 4-3551 ALD. No bearings available.

thence N 23° 11' E

300.0 to original location for west end center, being a mound of stones 3 ft high with a 3 ft base,
382.8 cross gulch, course easterly and westerly,
600.0 to Cor No 1, the place of the beginning.

Almette lode.

Beginning at Cor No 1, the N W Cor, identical with location and with Cor No 3 Laura lode of this survey heretofore described to which I add 1-3551 ALM for this claim.

U. S. M. M. No. 1725 Warren Mining District brs N 10° 06' W 10378.8 ft.

thence S 75° 17' E

720.0 cross gulch, course northerly and southerly,
1340.4 intersect line 3-4 Sur No 3166 Moonlight lode at S 86° 52' E 154.9 ft from Cor No 3,
1500.0 to Cor No 2, the N E Cor, identical with Cor No 3 Morning Star^{No.3} lode of this survey, heretofore described to which I add 2-3551 ALM for this claim.

thence S 23° 11' W

300.0 to original location for east end center, being a mound of stones 3 ft high with a 3 ft base,

Feet.

600.0 to Cor No 3, the S E Cor, identical with location and with Cors No 3 and 2 of Sur No 3165 Maganese lode and Sur No 3166 Moonlight lode, respectively, a pine post 4 ft long 4 ins sq set 18 ins in the ground in a mound of stones and scribed 3-3551 ALM, whence an oak tree 6 ins in diameter and 15 ft high, blazed and scribed BT x 3-3551 brs S 69° 56' E 11.5 ft., and a second oak tree 6 ins in diameter and 10 ft high, blazed and with like scribing brs N 18° 13' E 51.2 ft. Cor No 4 Sur No 3162 Silica lode brs N 57° 47' W 492.4 ft, and the 1/4 Cor between Secs 8 and 17, T 23 S, R 24 E brs S 80° 02' 30" E 665.8 ft.

thence N 75° 17' W

102.9 intersect line 4-5 Sur No 3162 Silica lode at S 53° 18' E 395.4 ft from Cor No 4,

500.9 to Cor No 4 Anita lode of this survey, also intersect line 3-4 Sur No 3162 Silica lode at S 26° 40' W 151.3 ft from Cor No 4,

757.6 cross gulch, course northeasterly and southwesterly,

1500.0 to Cor No 4, the S W Cor, identical with location and with Cor No 3 Aldinga lode, ^{this survey,} heretofore described to which I add 4-3551 ALM for this claim.

thence N 23° 11' E

300.0 to west end center, identical with location and with east end center Aldinga lode of this survey, heretofore described.

600.0 to Cor No 1, the place of ~~the~~ beginning.

Anita.lode.

Beginning at Cor No 1, the S E Cor, identical with location, a pine post 4 ft long 4 ins sq set 18 ins in the ground in a mound of stones and scribed 1-3551 AN, whence a limestone ledge with 16 x 34 x 11 ins high exposure chiseled BR x 1-3551 brs S 48° 32' E 21.3 ft, and a quartzite ledge with 12 x 42 x 13 ins high exposure with like chiseling brs S 66° 13' W 12.3 ft. Cor No 3 Sur No 3162 Calcutta lode brs N 2° 35' W 197.3 ft and the

Feet. N E Cor of Sec. 30, T 23 S, R 24 E, G & S R B & M brs
 S 6° 48' 30" W 10309.5 ft.
 thence N 75° 17' W
 117.0 to Cor No 4 Willunga lode of this survey, also intersect
 line 2-3 Sur No 3162 Calcutta lode at S 31° 55' W 197.2
 ft from Cor No 3,
 401.2 cross gulch, course northeasterly and southwesterly,
 980.2 cross gulch, course northeasterly and southwesterly,
 1500.0 to Cor No 2, the S W Cor, identical with location and
 situated on line 3-4 Willunga lode of this survey, a pine
 post 4 ft long 4 ins sq set 18 ins in the ground in a
 mound of stones and scribed 2-3551 AN, whence a limestone
 ledge with 12 x 15 x 30 ins high exposure chiseled BR x
 2-3551 brs N 75° E 10.2 ft and a second limestone ledge
 26 x 31 x 61 ins high exposure)
 /with like chiseling brs S 80° 01' W 8.2 ft., and the
 Cor of Secs. 7, 8, 17 and 18, T 23 S., R 24 E G & S R B
 & M brs S 71° 47' E 229.9 ft.
 thence N 26° 40' E
 208.7 cross gulch, course easterly and westerly,
 306.5 to original location for west end center, being a mound
 of stones 3 ft high with a 3 ft base,
 613.0 to Cor No 3, the N W Cor, identical with location and
 situated on line 3-4 Aldinga lode of this survey, a pine
 post 4 ft long 4 ins sq set 18 ins in the ground in a
 mound of stones and scribed 3-3551 AN, whence a quartzite
 ledge with 24 x 40 x 24 ins high exposure chiseled B. R x
 3-3551 brs N 37° 14' E 16.4 ft., and a quartzite rock in
 place 13 x 18 x 9 ins high with like chiseling brs N 82°
 22' E 15.7 ft.
 thence S 75° 17' E
 500.9 to Cors No 3 and 4 of Aldinga and Almette lodes of this
 survey, respectively,
 1243.3 cross gulch, course northeasterly and southwesterly,
 1500.0 to Cor No 4, the N E Cor, identical with location and
 situated at the intersection of lines 3-4 Almette lode
 of this survey and 3-4 Sur No 3162 Silica lode at S 26°
 40' W 151.3 ft from Cor No 4 Sur No 3162 Silica lode, a

Feet.	<p>pine post 4 ft long 4ins sq set 18 ins in the ground in a mound of stones and scribed 4-3551 AN, whence a limestone ledge with 8 x 25 x 28 ins high exposure chiseled BR x 4-3551 brs S 89° 33' E 13.4 ft., and a limestone rock in place 16 x 18 x 18 ins above ground with like chiseling brs S 28° 26' E 11.0 ft.</p>
306.5	<p>thence S 26° 40' W along line 4-3 Sur No 3162 Silica lode to original location for east end center, being a mound of stones 3 ft high with a 3 ft base,</p>
457.9	<p>to Cor No 3 Sur No 3162 Silica lode , also intersect line 3-4 Sur No 3162 Calcutta lode at S 53° 18' E 97.9 ft from Cor No 3,</p>
613.0	<p>to Cor No 1, the place of the beginning.</p>
<p>-----</p>	
<p>Willunga lode.</p>	
<p>Beginning at Cor No 1, the S E Cor, identical with location and with Cor No 5 Adelaide lode of this survey, and situated on line 2-3 Sur No 3162 Worchester lode at N 31° 55' E 201.0 ft from Cor No 2, a redwood post 4 ft long 4 ins sq set 18 ins in the ground in a mound of stones and scribed 1-3551 W, whence the N E Cor of Sec. 30, T.23 S., R 24 E, G & S R B & M brs S 4° 34' W 9764.5 ft.</p>	
300.0	<p>thence N 75° 17' W</p>
600.0	<p>to north end center Adelaide lode of this survey,</p>
624.5	<p>to Cor No 4 Adelaide lode of this survey,</p>
696.7	<p>intersect line 4-1 Sur No 1881 North Star No 2 lode at</p>
1500.0	<p>S 0° 06' E 151.5 ft from Cor No 1,</p>
696.7	<p>cross gulch, course northeasterly and southwesterly,</p>
1500.0	<p>to Cor No 2, the S W Cor, identical with location, a redwood post 4 ft long 4 ins sq set 18 ins in the ground in a mound of stones and scribed 2-3551 W, whence a limestone rock in place 25 x 63 x 12 ins above ground chiseled B R x 2-3551 brs S 17° 57' W 10.7 ft., and a second limestone rock in place 13 x 29 x 14 ins above ground with like chiseling brs N 69° 50' W 7.4 ft., and Cor No 2 Sur No 1881 North Star No 2 lode brs N 81° 09' W 483.1 ft.</p>

Feet.

thence N 31° 55' E
 24.3 intersect line 1-2 Sur No 1881 North Star No 2 lode at N
 83° 44' W 838.6 ft from Cor No 1,
 95.2 cross gulch, course easterly and westerly,
 314.0 to original location for west end center, being a mound of
 stones 3 ft high with a 3-ft base,
 628.0 to Cor No 3, the N W Cor, identical with location, a red-
 wood post 4 ft long 4 ins sq set 18 ins in the ground in
 a mound of stones and scribed 3-3551 W. No bearings avail-
 able.

thence S 75° 17' E
 117.0 to Cor No 2 Anita lode of this survey,
 636.8 cross gulch, course northeasterly and southwesterly,
 1215.8 cross gulch, course northeasterly and southwesterly,
 1500.0 to Cor No 4, the N E Cor, identical with location and
 situated at intersection of line 1-2 Anita lode of this
 survey and line 2-3 Sur No 3162 Calcutta lode, a pine
 post 4 ft long 4 ins sq set 18 ins in the ground in a
 mound of stones and scribed 4-3551 W. No bearings avail-
 able.

thence S 31° 55' W
 229.0 to Cors No 2 and 3 of Sur No 3162 Calcutta and Worcester
 lodes, respectively,
 314.0 to original location for east end center, being a mound of
 stones 3 ft high with a 3 ft base,
 628.0 to Cor No 1, the place of the beginning.

Adelaide lode.

Beginning at Cor No 1, the S E Cor, identical with location
 a pine post 4 ft long 4 ins sq set 18 ins in the ground
 in a mound of stones and scribed 1-3551 AD, whence a
 limestone rock in place 17 x 21 x 13 ins above ground
 chiseled B R x 1-3551 brs N 36° E 3.6 ft., and a limestone
 ledge with 43 x 66 x 12 ins high with like chiseling brs
 N 78° 16' E 12.4 ft. The N E Cor of Sec. 30, T 23 S., R
 24 E., G & S R B & M brs S 3° 02' W 8770.2 ft.

thence N 75° 17' W

Feet.
300.0 to original location for south end center, also the S W Cor, being Cor No 2, situated at intersection of lines 4-1 and 2-3 of Sur No 1881 North Star No 3 lode and Sur No 3162 Buck lode, respectively, a redwood post 4 ft long 4 ins sq set 18 ins in the ground in a mound of stones and scribed S E Ct AD-3551 and 2-3551 AD, whence a limestone ledge with 37 x 41 x 3 ins high exposure chiseled BR x 2-3551 brs N 73° 11' W 11.5 ft., and a second limestone ledge with 15 x 24 x 4 ins high exposure with like chiseling brs N 4° 51' E 7.5 ft. Original location for the S W Cor, being a mound of stones 3 ft high with a 3 ft base, and post in center, brs N 75° 17' W 300 ft. Cor. Nos. 2 and 3 of Sur No 3162 Kite and Buck lodes, respectively, br N 35° 54' E 280.7 ft. Cor. 3 said Kite lode is N. 35° 54' E. 600 ft. from Cor. No. 2 thereof.
thence N 0° 06' W

9.6 to Cors No 1 and 4 of Sur No 1881 North Star No 3 and North Star No 1 lodes, respectively,

609.6 to Cors No 1 and 4 of Sur No 1881 North Star No 1 lode and North Star No 2 lode, respectively,

978.2 to Cor No 3, situated on line 4-1 Sur No 1881 North Star No 2 lode, a pine post 4 ft long 4 ins sq set 18 ins in the ground in a mound of stones and scribed 3-3551 AD. No bearings available.
thence N 17° 44' E

77.3 to Cor No 4, the N W Cor, identical with location and situated on line 1-2 Willunga lode of this survey, a redwood post 4 ft long 4 ins sq set 18 ins in the ground in a mound of stones and scribed 4-3551 AD. No bearings available.
thence S 75° 17' E

300.0 to original location for north end center, being a mound of stones 3 ft high with a 3 ft base,

600.0 to Cor No 5, the N E Cor, identical with location and with Cor No 1 Willunga lode of this survey, heretofore described to which I add 5/3551 AD for this claim. Cor No 2 Sur No 3162 Worcester lode brs S 31° 55' W 201.0 ft.

Feet.

thence S 17° 44' W
 211.8 intersect line 1-2 Sur No 3162 Worchester lode at S 53° 18' E 52.1 ft from Cor No 2, and line 3-4 Sur No 3162 Kite lode at S 53° 18' E 26.3 ft from Cor No 3.
 846.2 intersect lines 1-2 and 3-4 of Sur No 3162 Kite and Buck lodes, respectively at S 53° 18' E 224.2 ft from Cors No 2 and 3 of Sur No 3162 Kite and Buck lodes, respectively,
 1024.3 to Cor No 1, the place of the beginning.

LODE LINES.

Calvert.

The presumed course of the vein on this claim is from the south end center N 37° 53' E 1500.0 ft.

Laura.

The presumed course of the vein on this claim is from the east end center N 75° 17' W 1500.0 ft.

Morning Star No 3.

The presumed course of the vein on this claim is from the west end center S 75° 17' E 1500.0 ft.

Aldinga.

The presumed course of the vein on this claim is from the east end center N 75° 17' W 1500.0 ft.

Almette.

The presumed course of the vein on this claim is from the east end center N 75° 17' W 1500.0 ft.

Anita.

The presumed course of the vein on this claim is from the east end center N 75° 17' W 1500.0 ft.

Willunga.

The presumed course of the vein on this claim is from the east end center N 75° 17' W 1500.0 ft.

Adelaide.

The presumed course of the vein on this claim is from the north end center S 17° 44' W 1024.3 ft.

AREAS.

Total area of Calvert- - - - - 20.660 A. ✓

Area in conflict with

- Sur No 1834 Shoemakers Last Chance lode - - - - - 2.030 A. ✓
- Sur No 2133 Morning Star lode - - - - - 1.150 A. ✓
- Sur No 2674 Morning Star No 2 lode 0.170 A. ✓
- Bisbee Townsite Survey - - - - - 1.715 A. ✓

Total area of Laura- - - - - 20.573 A.

Area in conflict with

- Sur No 1834 Cockney Hill lode - - - - - 2.420 A. ✓

Total area of Morning Star No 3- - - - - 20.573 A. ✓

Area in conflict with

Sur No 1834 Cockney Hill lode- - - 0.529 A. ✓

Sur No 3166 Moonlight lode - - - 0.062 A. ✓

Total area of Aldinga- - - - - 20.436 A. ✓

Total area of Almette- - - - - 20.436 A. ✓

Area in conflict with

Sur No 3162 Silica lode- - - 0.676 A. ✓

Sur No 3166 Moonlight lode - - - 2.146 A. ✓

Total area of Anita- - - - - 20.651 A. ✓

Area in conflict with

Sur No 3162 Calcutta lode- - - 0.425 A. ✓

Total area of Willunga - - - - - 20.658 A. ✓

Area in conflict with

Sur No 1881 North Star No 2 lode - 1.683 A. ✓

Total area of Adelaide - - - - - 10.832 A. ✓

Area in conflict with

Sur No 3162 Worchester lode- - - 0.120 A. ✓

Sur No 3162 Kite lode- - - 1.725 A. ✓

Sur No 3162 Buck lode- - - 1.335 A. ✓

LOCATION.

This survey is located in Secs. 7, 8, 17 and 18, ^{Unapp'd.} T. 23 S.,
R. 24 E. (~~unapproved~~) G. & S R B & M, in the Warren Mining
District, Cochise County, Arizona.

IMPROVEMENTS.

I hereby certify that the value of the labor and improve-
ments placed upon or for the benefit of each claim in this
survey, by the claimant or her grantors, is not less than
\$500.00, and that said improvements consist of:-

Calvert.

- No.1. Discovery cut and tunnel, open cut 5 x 10
x 15 ft long, tunnel at face 4 x 6 x 20 ft
long, both brg S 10° E, the face of tunnel
brs from south end center on lode line
680 ft. Value \$ 300.00
- No.2. Open cut 4 x 10 x 15 ft long brg S 10° E,
the mouth of which brs from south end
center N 42° 53' E 720.0 ft. Value \$ 75.00
- No.3. Shaft 4 x 6 x 35 ft deep brs from north
end center on lode line 168.9 ft. Value \$ 350.00
- Total Value \$ 725.00

Laura.

- No.1. Discovery shaft 4 x 6 x 10 ft deep brs
from east end center on lode ^{line} 300 ft. Value \$ 75.00
- No.2. Open cut 5 x 10 x 15 ft long brg west,
the mouth of which brs from east end center
S 69° 31' W 103.2 ft. Value \$ 75.00

No.3.	Open cut 4 x 10 x 14 ft long brg west, the mouth of which brs from east end center S 61° 45' W 109.0 ft.	Value \$ 60.00
No.4.	Shaft 4 x 6 x 10 ft deep brs from east end center S 56° 18' W 120.0 ft.	Value \$ 75.00
	a 1/7 interest in Improvement No 5 Morning Star No 3 lode of this survey allotted to this claim	\$ 370.00
	Total	\$ 655.00
	----- Total -----	\$ 973.00

Morning Star No 3.

No.1.	Discovery shaft 4½ x 6½ x 22 ft deep, drift at bottom 4 x 6 x 20-ft long brg N 75° W, brs from point on line 1-2 S 75° 17' E 594.4 ft from Cor No 1, S 3° 17' E 305.0 ft.	Value \$ 420.00
No.2	Open cut 5 x 12 x 20 ft long in rock, brg S 20° E, brs from same point S 6° 51' W 338.6 ft.	Value \$ 120.00
No.3.	Open cut 7 x 8 x 12 ft long, 1/2 in rock, shaft in bottom 4 x 6 x 20 ft deep in rock, mouth of open cut brs from same point S 8° 19' W 303.7 ft.	Value \$ 240.00
No.4.	Open cut 4 x 12 x 15 ft long, with tunnel at face 4 x 6 x 4 ft long in rock, both brg S 60° E, the mouth of open cut brs from same point S 11° 51' W 442.3 ft.	Value \$ 190.00
No. 5.	Open cut 4 x 8 x 12 ft long, with tunnel at face 4 x 6 x 35 ft long, both brg S 76° 30' W, thence tunnel runs S 55° 50' W 4 x 6 x 23.2 ft long, thence tunnel runs S 35° 30' W 4 x 6 x 192.8 ft to face. The mouth of open cut brs from same point S 77° 59' E 583.8 ft. Total value \$2590.00 This tunnel has been done for the benefit of the Morning Star No 3, Laura, Aldinga, Almette, Anita, Willunga and Adelaide. The reason for not allotting any portion of the value of this improvement to the Calvert is that the title to the Calvert claim was acquired by the claimant subsequent to the work done in this tunnel. This tunnel is situated at the most favorable point for gaining depth on the seven claims named. The ground covered by the seven claims gradually rises from the mouth of the tunnel to the Adelaide, and the western edge of the Laura and Aldinga claims. Every foot advanced in the tunnel tends to gain a point where drifts may be run to cut the ground covered by the seven claims in depth. For this reason the work done in this tunnel tends to benefit all the seven claims named, and a 1/7 interest has been allotted to each claim. No portion of this tunnel has been used for patent work on any other claim. 1/7 interest allotted to this claim	\$ 370.00
No.6.	Open cut 5 x 14 x 32 ft long, with tunnel at face 4 x 6 x 10 ft long, both brg west, the mouth of open cut brs from east end center S 85° 18' W 243.6 ft.	Value \$ 420.00
	Total	\$1760.00

Aldinga.

- No.1. Discovery shaft 4 x 6 x 10 ft deep brs from east end center on lode line 500 feet. Value \$.75.00
- No.2. Shaft 4 x 7 x 10 ft deep brs from point on line 3-4 N 75° 17' W 500.9 ft from Cor No 3 N 36° 35' W 192.3 ft. Value \$ 80.00
- No.3. Shaft 4 x 7 x 10 ft deep brs from same point N 50° 31' W 197.5 ft. Value \$ 80.00

a 1/7 interest in Improvement No 5 Morning star No 3 lode of this survey allotted to this claim

\$ 370.00

Total

\$ 605.00

Anita.

- No.1. Discovery open cut 5 x 20 x 24 ft long with tunnel at face 5 x 6 x 10 ft long, thence 4 x 6 x 20 ft long, total length of tunnel 30 ft, both brg S 38° W, the face of tunnel brs from east end center on lode line 670 ft. Value \$ 900.00
- No.2. Shaft 4 x 6 x 10 ft deep in rock, brs from Cor No 4 S 79° 24' W 346.4 ft. Value \$ 75.00
- No.3. Open cut 4 x 10 x 15 ft long with tunnel at face 4 x 7 x 10 ft long in rock, both brg S 12° 30' E, the mouth of open cut brs from Cor No 4 S 74° 23' W 237.5 ft. Value \$ 225.00

No.4. Open cut 5 x 12 x 10 ft long, with tunnel at face 4 x 6 x 50.9 ft long, brg S 1° 05' E, thence S 24° W 4 x 6 x 38.7 ft long, thence S 46° 10' W 4 x 6 x 39 ft long, thence S 47° 38' W 4 x 6 x 78 ft long to face. At face a crosscut 4 x 6 x 6 ft long brs N 45° W. The mouth of open cut brs from Cor No 4 N 80° 48' W 246.0 ft. Total value \$2,226.00
This tunnel has been done for the benefit of Anita, Willunga and Adelaide claims of this survey. The reason for not allotting any of this tunnel to other claims of this survey is the fact that the tunnel is pointed away from the other claims. This tunnel will gain about 700 feet in depth on the Adelaide claim, and as the ground slopes up from the tunnel mouth to the Adelaide claim, the ground covered by the Anita and Willunga will also be cut in proportionate depth as the tunnel is advanced. For this reason the tunnel has been considered as a common improvement for the Anita, Willunga and Adelaide claims of this survey. No portion of this tunnel has been used for patent work on any other claim.
a 1/3 interest allotted to this claim \$ 742.00

a 1/7 interest in Improvement No 5 Morning Star No 3 lode of this survey allotted to this claim \$ 370.00

Total \$2312.00

Almette.

- No.1. Discovery Open cut 4 x 10 x 15 ft long brg N 75° W, brs from east end center on lode line 700 ft. Value \$ 75.00
- No.2 Open cut 4 x 11 x 17 ft long brg west, brs from point on line 3-4 N 75° 17' W 500.9 ft from Cor No 3 N 18° 49' W 272.4 ft. Value \$100.00

No.3 Open cut 5 x 10 x 16 ft long with tunnel at face 5 x 7 x 11 ft long, thence 4 x 6 x 70 ft long, all brg S 53° E, the mouth of open cut brs from same point N 13° 44' W 189.6 ft. Value \$ 815.00

a 1/7 interest in Improvement No 5 Morning Star No 3 lode of this survey allotted to this claim \$ 370.00

Total \$1360.00

Willunga.

No.1. Discovery open cut 5 x 10 x 15 ft long, with tunnel at face 4 x 6 x 58 ft long, both brg S 32° W, the mouth of open cut brs from east end center on lode line 278.0 ft. Value \$ 730.00

No.2. Shaft 5 x 7 x 10 ft deep brs from Cor No 4 N 81° 30' W 265.0 ft. Value \$ 100.00

a 1/7 interest in Improvement No 5 Morning Star No 3 lode of this survey allotted to this claim \$ 370.00

a 1/3 interest in Improvement No 4 Anita lode of this survey allotted to this claim \$ 742.00

Total \$1,942.00

Adelaide.

No.1. Discovery open cut and tunnel, open cut 5 x 10 x 16 ft long with tunnel at face 4 x 6 x 31 ft long brg S 44° 30' E, face of tunnel brs from north end center on lode line 125.0 ft. Value \$ 470.00

No.2. Open cut 4 x 10 x 14 ft long with tunnel at face 4 x 8 x 14 ft long, both brg S 44° 30' E, the mouth of open cut brs from north end center S 40° 39' W 145.6 ft. Value \$ 280.00

a 1/7 interest in Improvement No 5 Morning Star No 3 lode of this survey allotted to this claim \$ 370.00

a 1/3 interest in Improvement No 4 Anita lode of this survey allotted to this claim \$ 742.00

Total \$1,862.00

Total improvements on group \$11,221.00

OTHER IMPROVEMENTS.

Calvert.

Frame house 15 x 24.5 ft., long side of house brg N 44° E Northeast corner of which brs from Cor No 2 N 72° 59' W 265.2 ft.

Frame house 24 x 30 ft., long side of house brg N 46° W. Northeast corner of which brs from Cor No 2 N 79° 18' W 308.2 ft.

Morning Star No.3.

Frame house 18.5 x 24.5., long side of house brg east. Northeast corner of which brs from Cor No 2 S 68° 56' W 26.4 ft.

Frame house 24 x 28.5 ft., long side of house brg east. Northeast corner of house brs from Cor No 2 S $81^{\circ} 46'$ W 65.2 ft.

Galvanized iron barn 24.6 x 33.6 ft., long side of barn brg N $1^{\circ} 30'$ W. The southeast corner of barn brs from Cor No 2 N $76^{\circ} 01'$ W 113.7 ft.

ADJOINING CLAIMS.

- North. Sur No 1834 Cockney Hill, ^{lode} and Sur No 2133 Morning Star ^{lode}
- East. Bisbee Townsite, Sur No 2674 Morning Star No 2, ^{lode} Sur No 2133 Morning Star, ^{lode} Sur No 1670 Contention, ^{lode} Sur No 3166 Moonlight, ^{lode} and Sur No 3162 Buck, Kite, Worchester, Calcutta, and Silica ^{lodes}
- South. Sur No 3162 Silica, ^{lode} and Sur No 1881 North Star No 2 ^{lode}
- West. Sur No 1881 North Star No 3, North Star No 1 and North Star No 2 ^{lodes} and Sur No 1834 Cockney Hill and Shoemakers Last Chance ^{lodes}.

INSTRUMENT.

This survey was made with a Gurley Light Mountain Transit. The distances were measured with a 100 and 300 foot steel tapes. The courses were deflected from the true meridian as determined in Survey Nos. 3162, 3165 and 3166. Magnetic Variation $12^{\circ} 30'$ East at all corners.

REPORT.

U. S. M. M. No. 1725 is a pine post 6 ins square, 9 ft high surrounded by a mound of stones 3 ft high with a 6 ft base. Post is scribed U S M M No 1725.

The tie for these claims has been made to U. S. M. M. No. 1725 in preference to U. S. M. M. No. 1 or U. S. M. M. No. 4, as U. S. M. M. No. 1 was located on the top of a large rock that was recently undermined and fell into the creek. U. S. M. M. No. 4 has been recently destroyed in the steam shovel mining that the Copper Queen Con Mining Co has been doing on Sacramento Hill.

1/4 Cor between Secs 7 and 8, and the 1/4 Cor between Secs 8 and 17, and the Cor of Secs. 7, 8, 17 and 18 are iron pipes with copper caps, properly marked for said corners. (These corners are not yet approved.)

Bisbee Townsite. Cor No 3 is a wooden stake. Cor No 4 is a granite rock 12 x 15 x 10 ins above ground, chiseled B T S No 4 and PL. Cor No 5 is an iron pin.

The N E Cor of Sec 30, T 23 S., R 24 E, is a limestone rock 9 x 7 x 9 ins above ground, chiseled II on south face, IIIII on east face. A monument of rocks 2 ft. west.

Sur No 1834 Shoemakers Last Chance. Cors No 1 and 2 are pine posts properly set and scribed. Cor No 4 is an iron pin.

Cockney Hill. Cor. No. 1 is an iron pin in center of monument, post missing. Cors. No. 2 and 3 are pine posts properly set and scribed.

Sur No 1881. North Star No 3. Cors No 1 and 4; North Star No 1, Cors No 1 and 4; North Star No 2 Cors No 1, 2 and 4 are pine posts properly set and scribed.

Sur No 2133. Morning Star. Cors No 3 and 6 are monuments of rocks, posts are missing. Cors No 4 and 5 are pine posts properly set and scribed.

Sur No 1670. Contention. Cor No 3 is a pine post properly set and scribed. Cor No 4 is a monument of rocks, post missing.

Sur No 2674. Morning Star No 2. Cors No 2 and 3 are monuments of rocks, posts missing. Cor No 4 is an iron pin.

Sur No 3162. Buck, Kite, Worchester, Calcutta and Silica. All corners are pine posts properly set and scribed.

Sur No 3165 Maganese. Cor No 3 is a pine post properly set and scribed.

Sur No 3166 Moonlight. Cors No 2, 3 and 4 are pine posts properly set and scribed.

Ralph L. Motz

U. S. Mineral Surveyor.

Dated at Bisbee, Arizona.
January 13th, 1919.

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FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Ralph L. Motz

United States Mineral Surveyor, 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

Alma Clason

known as the Almette, Aldinga, Willunga, Laura, Morning Star No 3,
Adelaide, Anita and Calvert lodes
and showing the respective capacities in which they acted.

John Caretto, Chainman.

....., Chainman.

....., Axman.

....., Flagman.

FINAL OATHS OF ASSISTANTS.

~~we~~ I, John Caretto

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

Ralph L. Motz, United States Mineral Surveyor, in marking the corners and surveying the boundaries of the mining claim of

Alma Clason

known as the Almette, Aldinga, Willunga, Laura, Morning Star No 3,
Adelaide, Anita and Calvert lodes

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 ~~our~~ ^{my} knowledge and belief, faithfully and correctly executed, and the corner and boundary monuments established according to law and the instructions furnished by the United States Surveyor-General for Arizona

John Caretto, Chainman.

....., Chainman.

....., Axman.

....., Flagman

Subscribed and sworn to by the above-named persons ~~x~~ before me this 13th

day of January, 19 19.

JW Ross

Notary Public in and for the County of Cochise, State of Arizona.

My commission expires Feb. 21, 1920.

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, Ralph L. Motz, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated November 30th, 1918, I have, in strict conformity to the laws of the United States, the official regulations and instructions thereunder, and the instructions of said Surveyor General, faithfully and correctly executed the survey of the Mining Claim of Alma Clason, known as the Almette, Aldinga, Willunga, Laura, Morning Star No 3, Adelaide, Anita and Calvert lodes, situate in Warren Mining District, Cochise County, Arizona, in Sections 7, 8, 17 and 18, Unapp'd Township No. 23 S., Range No. 24 E. G. & S. R. B. & M. Unapp'd. and designated as Survey No. 3551, 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 Surveyor General with said instructions, and that all the 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 claimant or her 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.

Ralph L. Motz
U. S. Mineral Surveyor.

Subscribed and sworn to by the said Ralph L. Motz
U. S. Mineral Surveyor, before me J. W. Ross
Notary Public this 13th
day of January, 1919.

J W Ross
Notary Public in and for the County
of Cochise, State of Arizona.
My commission expires Feb. 21, 1920.

4-688

U. S. SURVEYOR-GENERAL'S FINAL CERTIFICATE ON FIELD NOTES.

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

May 15, 1919.

I, U. S. Surveyor-General for District of Arizona

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

ALMA CLASON

known as the ALMETTE, ALDINGA, WILLUNGA, LAURA, MORNING STAR NO. 3, ADELAIDE, ANITA AND CALVERT LODES. situate in WARREN

Mining District, COCHISE County, ARIZONA

in Section^s 7, 8, 17, 18, Township No. 23 S., Range No. 24 E., and

designated as Survey No. 3551, 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.

And I further certify that five hundred dollars' worth of labor has been expended or improved or for each of

ments made upon said mining claims by claimant or her grantors, and that said improvements consist of 10 shafts, 18 cuts, 11 tunnels, 1 drift and 1 crosscut, total value \$11,221. As improvement No. 5 on the Morning Star No. 3 lode is a common improvement for the benefit and development of the Morning Star No. 3, Laura, Aldinga, Almette, Anita, Willunga and Adelaide lodes, and only those lodes, an undivided one-seventh interest therein, value \$370, is properly credited to each of the said seven claims, and as improvement No. 4 on the Anita lode is a common improvement for the benefit and development of the Anita, Willunga and Adelaide lodes, solely, an undivided one-third interest therein, value \$742, is properly credited to each of the three said claims, 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 U. S. Land Office at Phoenix,

Arizona, is correct and in conformity with the foregoing Field Notes.

Frank P. Trott,

United States Surveyor-General for Arizona.

SURVEYOR GENERAL'S CERTIFICATE OF APPROVAL OF FIELD NOTES
AND SURVEY OF MINING CLAIM

DEPARTMENT OF THE INTERIOR
OFFICE OF U. S. SURVEYOR GENERAL

Phoenix, Arizona,

May 15, 1919.

I, U. S. Surveyor General for District of Arizona

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

ALMA CLASON

, known as the

ALMETTE, ALDINGA, WILLUNGA, LAURA, MORNING STAR NO. 3, ADELAIDE,
ANITA AND CALVERT LODES

situate in WARREN mining district,

COCHISE County, ARIZONA.

in Section s. 7, 8, 17 & 18, ^{unapp'd.} Township No. 23 S., Range No. 24 E.

, designated as Survey No. 3551

executed by Ralph L. Motz, U. S. Mineral

Surveyor, December 9-30, 1918, under my instructions dated

November 30, 1918, have been critically examined and the necessary cor-

rections 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.



U. S. Surveyor General for Arizona.