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revised by survey 11/15/05

(4-683.)

Mineral Survey No. 2030

Lot No.

GILA Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

The Twin Buttes Mining and Smelting Company.

KNOWN AS THE

Senator Morgan, Senator Morgan No. 2, Gladstone, Margaret,
Nellie, Daily News, and Summit Clms. Mining District,
San Xavier or Pima Mining Dist.

Pima County, Arizona.

Sections 1, 2, 11 and 12 Township No. 18 S., Range No. 12 E.

Surveyed under instructions dated February 15th, 1905,

by Lorenzo D. Chillson,
U. S. Deputy Mineral Surveyor.

Claim located	See Notices	1
Survey commenced	Feby. 21st, 1905	1
Survey completed	" 25th "	1

8-180

Address of Claimants, Tucson, Arizona.

*Answers to H. H.
Lodge and H. H.
Tolson, 1905
See lines 200*

*Harold Haggard atty
Tucson, Ariz*

Feet.

SENATOR MORGAN GROUP OF MINING CLAIMS.

MINERAL SURVEY NO. 2030.

----- 0 -----
" " "

SENATOR MORGAN NO. 2, lode claim.

Beginning at the N. E. Cor., identical with the N. E. Cor. monument of the location.

Set a 4 x 4 inch post, 4 ft. long, 1 ft. in the ground, scribed S. M. No. 2, 1-2030, and surround the post with a monument of stones, 2 ft. high and 3 ft. base, whence,

$1/4$ sec. cor. bet. secs. 1 and 12, of T. 18 S., R. 12 E., bears S. $83^{\circ} 22'$ W., 91.75 ft. dist.

No other bearings available.

Thence S. 11° W., Var. $12^{\circ} 44'$ E.

Along the easterly end line of the claim.

10.8 Intersect section line, bet. secs. 1 and 12, at N. $89^{\circ} 55'$ E., 89 ft. from the $1/4$ sec. cor. and S. $89^{\circ} 55'$ W., 2551. ft. from the cor. of secs. 1, 6, 7 and 12.

300. Post and mound of stones, the E. E. C. of the claim.

519. To Cor. No. 2.

Identical with the cor. of the location, on the N. side line of the Pandora, Sur. No. 1998, at N. $83^{\circ} 25'$ W., 487.7 ft. from Cor. No. 1, of the Pandora.

Set a pine post, 4 ft. long, 4 ins., square, 1 ft. in the ground, surrounded by a mound of stone, 2 ft. high, and 3 ft. base. Post scribed 2-2030, S. M. No. 2, Whence,

A Mesquite Tree, 8 inches in diameter, bears N. $40^{\circ} 15'$ W., 84 ft. dist. scribed (x) 2-2030 B.T.

No other bearings available.

Thence N. $83^{\circ} 25'$ W., Va. $12^{\circ} 45'$ E. Along the northerly side line of the Pandora Claim.

229. To Cor. No. 3.

Identical with a Cor. of the location.

Feet. Set a pine post, 4 ft. long, 4 ins., square, 1 ft. in the ground and surrounded by a mound of stones, 2 ft. high, 3 ft. base. Post scribed S. M. No. 2, 3-2030, whence,

A Diorite rock, 3 x 2 x 2 ft. above the ground, chiseled (x) 3-2030 B. R. bears S. 79° W., 54 ft.

No other bearings available.

Thence N. 63° 30' W., Va. 12° 44' E.

Along the Southerly side line of this claim.
 1060. Int. sec line at S 89° 55' W 1184' from $\frac{1}{4}$ Cor. and N 89° 55' E 1457.2' from Sec. Cor.
 1263. To Cor. No. 4, identical with cor. of the loc.

Set a pine post, 4 ft. long, 4 ins., square, 1 ft. in the ground to bed rock, and surround the same with a mound of stones, 2 ft. high, 3 ft. base,

Scribed S. M. No. 2, 4-2030, whence,

A Quartzite rock, 4 ft. face, above the ground bears N. 61° 30' E. 84 ft. dist. Chiseled B.R. 4-2030.

Thence N. 11° E., Va. 13° E.

Along the westerly end line of the claim.

300. Post and mound of stones, the W. E. C. of the claim and location.

600. To Cor. No. 5, identical with cor. of the location.

Set a pine post, 4 ft. long, 4 ins., square, 1 ft. in the ground and surround same with a mound of stones, 2 ft. high, 3 ft. base. Post scribed S. M. No. 2, 5-2030, whence,

A (x) B.R. 5-2030, on a limestone reef, bears S. 59° 15' W., 22 ft.

No other bearings available.

Thence S. 63° 30' E.

Va. 12° 49' E.

Along the northerly side line of the claim.

1500. To Cor. No. 1 and the place of beginning.

Feet. " DAILY NEWS" lode claim.

Beginning at Cor. No. 1, the N. E. Cor. of the claim, identical with Cor. No. 3, of the Senator Morgan No. 2 lode claim of this survey. Cor. heretofore described. I mark same D. N. 1-2030. Also Cor. of loc. *On line 4-1 Pandora Sur. No 1978*
1/4 sec. cor. bet. secs. 1 and 12 bears N.

26° 29' E., 528.0 ft. dist.

The N. W. Cor. No. 4 of the Pandora Claim, Survey. No. 1998 bears N. 83° 25' W., 783.33 ft. dist.

Thence S. 11° W., Va. 12° 44' E.

Along the easterly end line of this claim.

300. A monument of stones, the E. E. C. of the claim and location.

600. To Cor. No. 2, identical with loc. A Granite rock, 24 x 14 x 8 ins., 12 ins., in the ground to bed rock, chiseled D. N. 2-2030 and build a mound of stones, 2 ft. high, 3 ft. base, alongside.
No bearing objects available.

Thence N. 63° 30' W., Va. 12° 44' E.

Along the southerly side line of the claim.

784. Intersect the Westerly end line of the Pandora Claim, Sur. No. 1998, at S. 6° 35' W., 331 ft. from the N. W. Cor. ^{No 4} and N. 6° 35' E., 269 ft. from the S.W. Cr. Perpetuate intersec. with a md. of stones.

1263. To Cor. No. 3, identical with loc.

A granite rock, 24 x 8 x 8 ins., 14 ins., in the ground, chiseled D. N. 3-2030, and build a mound of stones, alongside, 2 ft. high, 3 ft. base.

No bearing objects available.

Thence N. 11° E., Va. 12° 44' E.

Along the westerly ~~side~~ ^{End} line of the claim.

300. A mound of stones, the W. E. C. of the claim and loc.

507.8 Intersect sec. line, bet. secs. 1 and 12, of Tp. 18 S. R. 12 E., at S. 89° 55' W., ^{1283.3'} ~~1388~~ ft. from the

- Feet. 1/4 sec. cor. and N. 89° 55' E., 1258 ft. from the Sec. cor. to secs. 1, 2, 11 and 12.
600. To Cor. No. 4, identical with cor. of loc. and with Cor. No. 4 of the Senator Morgan No. 2 Claim of this survey. I scribe on post, D. N. 4-2030.
- Thence S. 63° 30' E.
- Along the southerly side line of the Senator Morgan No. 2 claim of this survey.
203. Intersect sec. line bet. secs. 1 and 12, at N. 89° 55' E., 1457.3 ft. from cor. of secs. 1, 2, 11 and 12 and S. 89° 55' W., 1184.0 ft. from 1/4 sec. cor. bet. secs. 1 and 12. T. 18 S., R. 12 E.
1263. To Cor. No. 1 the place of beginning.
Survey of Exterior boundaries.

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SENATOR MORGAN CLAIM.

Beginning at Cor. No. 1, the S. W. Cor. of the claim, identical with cor. of the location.

Set a pine post, 4 ft. long, 4 ins., square, 1 ft. in the ground, and surround the same with a mound of stones, 2 ft. high, 3 ft. base. Scribed S. M. 1-2030, whence,

The cor. of secs. 1, 2, 11 and 12, of T. 18 S., R. 12 E., bears S. 27° 34' E., 425 ft. dist.

A white Quartzite rock, 2 x 2 x 2 ft. above the ground bears N. 60° 30' W., 60 ft. dist. Chiseled (x) B. R. S. M. 1-2030.

No other bearings available.

Thence N. 11° E., Va. 12° 44' E.

Along the westerly end line of the claim.

300. A post and mound of stones the W. E. C. of the claim and location cor.
600. To Cor. No. 2, the N. W. Cor. identical with loc.
- Set a pine post, 4 ft. long, 4 ins., square, 1

5.

Feet. ft. in the ground and surround the same with a mound of stones, 4 ft. base, 2 1/2 ft. high. Post scribed S. M. 2-2030, whence,

A porphyry rock, 3 x 2 x 2 ft. above the ground chiseled (x) S. M. 2-2030 B. R. bears N. 30° E., 31 ft. dist.

No other bearings available.

Thence S. 79° E., Va. 12°44' E.

Along the northerly side line of the Senator Morgan Claim of this survey.

83.5 Intersect section line bet. secs. 1 and 2, of T. 18 S., R. 12 E., at North 950.7 ft. from the cor. of secs. 1, 2, 11 and 12, and South 1689.3 ft. from the 1/4 sec. cor. bet. secs. 1 and 2.

1500. To Cor. No 3.

Identical with Cor. No. 5 of the Senator Morgan No. 2 Claim of this survey and with cor. of location. Cor. heretofore described.

Scribe post, S. M. 3-2030.

Thence S. 11° W., Va. 12° 44' E.

Along the easterly end line of the claim.

300. The E. E. C. of the Claim, identical with the W. E. C. of the Senator Morgan No. 2 claim of this survey.

600. To Cor. No. 4.

Identical with Cor. No. 4-4, of the Daliy News and Senator Morgan No. 2 Claims of this survey. Cor. heretofore described.

Scribe on same S. M. 4-2030.

Thence N. 79° W., Va. 12° 39' E.

Along the southerly side line of the claim.

1299.6 Intersect sec. line, bet. secs. 1 and 2, of T. 18 S., R. 12 E., at N. 338.5 from the cor. of secs. 1, 2, 11, and 12 and S. 2301.5 ft. from the 1/4 sec. cor. bet. secs. 1 and 2.

1500. To Cor. No. 1 the place of beginning.

Feet. " " NELLIE. ~~lode claim.~~

Beginning at Cor. No. 1, the N. W. Cor. of the Claim, identical with Cor. No. 1 of the Senator Morgan claim of this survey and with the location. Cor. heretofore described. Mark same N. 1-2030.
The Cor. of sec. 1-2-11-12 T. 18 S. R. 12 E. by S. 27° 34' E. 725-ft dist
 Thence S. 79° E.

Along the Southerly side line of the Senator Morgan Claim and the northerly side line of the Nellie claim of this survey.

200.4 Intersect the sec. line, at 338.5 ft. N. of the cor. and S. 2301.5 ft. from the 1/4 cor.

1500. To Cor. No. 2.

Identical with corg No. 4, 4, 4, of the Senator Morgan Senator Morgan No. 1 and Dally News claims of this survey. Cor. heretofore described.

Scribe same N. 2-2030.

Thence S. 11° W.

Along the westerly end line of the Dally News claim of this survey.

92.2 *Dist. the sec. line at 89° 53' E 1288 ft. from cor. of sec. 1-2-11-12. + S 87° 53' W 12833 ft*
 300. *from 1/4 sec. cor*
 The E. E. C. of the Claim, identical with the W. E. C. of the Dally News. A mon. of the location.

600. To Cor. No. 3.

The S. E. Cor., identical with Cor. 3 of the Dally News and cor. of the location. heretofore described.

Scribe same N. 3-2030.

Thence N. 79° W., Va. 12° 44' E.

Along the Southerly side line of the Claim.

1183.0
~~1178.6~~ Intersect sec. line, bet. secs. 11 and 12 of T. 18 S., R. 12 E., at S. 03' E., 272.5 ft. from the Cor. of secs. 1, 2, 11 and 12, and N. 0° 03' W., 2365.5 ft. from the 1/4 sec. cor. bet. secs. 11 and 12.

1500. To Cor. No. 4.

Identical with location. Set a granite rock,

Feet 30 x 18 x 10 ins., 16 inches in the ground to bed rock, chiseled N. 4-2030, and build a mound of stones 4 ft. base, 2 1/2 ft. high, alongside. whence

A granite rock, 24 x 18 x 18 inches above the ground, chiseled (x) B. R. 4-2030 brs. N. 68° E., 55 ft. dist.

No other bearings available.

Thence N. 11° ~~E.~~, Va. 12° 50' ~~E.~~

216.2 Intersect sec. line, bet. secs. 2 and 11, at N. 89° 55' W., 270ft. from the sec. cor. bet. secs. 1, 2, 11 and 12 and S. 89° 55' E., 2374 ft. from the 1/4 sec. cor. bet. secs. 2 and 11.

300. A mound of stones, the W. E. C. of the claim and loc. monument.

600. To Cor. No. 1, the place of beginning.

 "GLADSTONE" ~~land mining claim.~~

Beginning at Cor. No. 1, the S. E. Cor. of the claim, identical with cor. of the location, and with Cor. No. 1, 1, of the Senator Morgan and Nellie Claims of this survey. Cor. heretofore described.

Mark same. G. 1-2030. *The cor. of sec. 1-2-11 + 12 T 18 S R 12 E h 2*
 S. 27° 34' E 428 ft dist
 Thence N. 68° 15' W., Va. 12° 44' E.

Along the southerly side line of the claim.

1500. To Cor. No. 2, the S. W. Cor., identical with cor. of the location.

A pine post, 4 ft. long, 4 ins., square, set 1 ft. in the ground, surrounded by a mound of stones 2 ft. high, and 3 ft. base. Scribed G. 2-2030, whence

A Granite rock, 2 x 2 x 2 ft. above the ground, chiseled (x) 2-2030 B. R. bears S. 7° 15' W., 39 ft. dist.

No other bearings available.

Thence N. 11° E., Va. 12° 40' E.

- Feet. Along the westerly end line of the claim.
300. A post and mound of stones the W. E. C. of the claim and location.
600. To Cor. No. 3.

Identical with a cor. of the location.

Set a granite porphyry rock, 30 x 14 x 12 ins., 14 ins., in the ground to bed rock, chiseled G. 3-2030, and build a mound of stones, 5 ft, base 3 1/2 ft. high, alongside, whence,

A granite rock, 24 x 24 x 20 ins., above the ground, chiseled (X) B. R. G. 3-2030 bears S. 27° 30' E., 46, ft. dist.

No other bearings available.

Thence S. 68° 15' E. Va. 12° 44' E.

Along the northerly side line of the claim.

1500. To Cor. No. 4.

Identical with a cor. of the location and with Cor. No. 2 of the Senator Morgan Claim of this survey. Cor. heretofore described. Scribe on same G. 4-2030.

Thence S. 11° W.,

Along the easterly end line of this claim and the westerly end line of the Senator Morgan Claim of this survey.

300. Post and mound of stones the E. E. C. of the claim, identical with the W. E. C. of the Senator Morgan Claim of this survey.

600. To Cor. No. 1, and the place of beginning.
Survey of exterior boundaries.

"MARGARET" ~~lode mining claim.~~

Beginning at Cor. No. 1, the N. E. Cor. of the claim, identical with a cor. of the location and with Cor. No. 1, 1, 1, of the Senator Morgan, Nellie, and Gladstone claims of this survey. Cor. hereto-

fore described. Scribe same M. 1-2030. *The cor. of nos. 1-2-11-12 T18S R12E, 1/2 S 27° 34' E 425 ft dist*

Feet.	Thence S. 11° W., Along the easterly end line of this claim, and the westerly end line of the Nellie Claim.
300.	Mound of stones the E. E. C. of the claim, identical with the W. E. C. of the Nellie.
383.8	Intersect section line, at N. 89° 55' W., 270 ft. from the Cor. of secs. 1, 2, 11 and 12, of Tp. 18 S., R. 12 E., and S. 89° 55' E., 2374 ft. from the 1/4 sec. cor. bet. secs. 2 and 11.
600.	To Cor. No. 2. Identical with a cor. of the location and with Cor. No. 4 of the Nellie Claim of this survey. Cor. heretofore described. Scribe on same M.2-2030. Thence N. 68° 15' W. Va. 12° 40' E. Along the southerly side line of this claim.
573	Intersect section line at S. 89° 55' W. , 843.5 ft. from the Cor. of secs. 1, 2, 11 and 12, and S. 89° 55' W. , 1800.5 ft. from the 1/4 sec. cor. bet. secs. 2 and 11.
1500.	Cor. No. 3. Identical with a cor. of the location. A granite stone, 30 x 12 x 10 ins., 14 ins., in the ground, scribed M. 3-2030, and build a mound of stones, 2 ft. high, 3 ft. base, alongside. Whence A granite rock, 8 x 6 x 6 ft. above the ground, chiseled (x) M. 3-2030 B. R., bears N. 36° W., 80 ft. dist. No other bearings available. Thence N. 11° E., Va. 12° 40' E. Along the westerly end line of this claim.
300.	A monument of stones, the W. E. C. of the claim and location monument.
600.	To Cor. No. 4. Identical with the N. W. Cor. of the location, and with Cor. No. 2 of the Gladstone claim of this

survey. Cor. heretofore described. Scribe same M.
4-2030.

Thence S. $68^{\circ} 15' E.$, Va. $12^{\circ} 40' E.$

Along the northerly side line of this claim and the
southerly side line of the Gladstone Mining Claim
of this survey.

1500. To Cor. No. 1 the place of beginning. Survey of
Exterior boundaries.

"SUMMIT" ~~Lode Claim.~~

Beginning at Cor. No. 1, the S. E. Cor. of
the location, identical with Cor. No. 2 of the Glad-
stone claim of this survey. Cor. heretofore described.

Scribe same S. 1-2030. Whence, Cor. of secs. 1, 2, 11 &
12, T. 18 S., R. 12 E., brs. S. $59^{\circ} 36' E.$, 1843.3 ft.
Thence N. $68^{\circ} 15' W.$, Va. $12^{\circ} 44' E.$

Along the southerly side line of the claim.

86. To Cor. No. 2.

Identical with the S. W. Cor. of the location.

Set a granite stone, 18 x 8 x 6 ins., 10
ins., in the ground to bed rock, scribed S. 2-2030,
and build a mound of stones, 4 ft. base, 3 ft. high,
alongside.

No bearings available.

Thence N. $11^{\circ} E.$, Va. $12^{\circ} 40' E.$

Along the Westerly end line of the claim.

300. Stake and mound of stones, the W. E. C. of the claim
and location.

600. To Cor. No. 3.

Identical with the N. W. Cor. of the location.
Set a basaltic porphyry stone, 20 x 12 x 8 ins., 12
ins., in the ground, scribed S. 3-2030, and build a
mound of stones, 4 ft. base, 2 1/2 ft. high, alongside.

No bearings available.

Thence S. $68^{\circ} 15' E.$, Va. $12^{\circ} 40' E.$

Feet.
86.

To Cor. No. 4.

Identical with the N. E. Cor. of the location and with Cor. No. 3 of the Gladstone Mining Claim of this survey.

Cor. heretofore described. Scribe upon same S. 4-2030.

Thence S. 11° W.

Along the easterly end line of this claim and the westerly end line of the Gladstone claim of this survey.

300. E. E. C. of the claim and location., identical with the W. E. C. of the Gladstone claim of this survey.

600. To Cor. No. 1, and the place of beginning survey of exterior boundaries.

Course of the several veins of these claims.

Senator Morgan No. 2; the ledge bears presumably N. $63^{\circ} 30'$ W., 149 ft. and S. $63^{\circ} 30'$ E., 1351 ft. from the Discovery Shaft No. 1.

Daily News; the ledge bears presumably, N. $63^{\circ} 30'$ W., 245⁵ ft. and S. $63^{\circ} 30'$ E., 1018 ft. from the Discovery Shaft No. 1.

Senator Morgan; the ledge bears presumably N. 79° W., 565 ft. and S. 79° E., 935 ft. from the Discovery Shaft No. 1.

Nellie; the ledge bears presumably N. 79° W., 1400 ft. and S. 79° E., 100 ft. from the Discovery Shaft No. 1.

Gladstone; the ledge bears presumably N. $68^{\circ} 15'$ W., 1325 ft. and S. $68^{\circ} 15'$ E., 175 ft. from the Discovery Shaft No. 1.

Margaret; the ledge bears presumably N. $68^{\circ} 15'$ W., 840 ft. and S. $68^{\circ} 15'$ E., 660 ft. from the Discovery Shaft No. 1.

X Summit; the ledge bears presumably from the Discovery Shaft, No. 1, N. 68° 15' W., ~~50~~³⁶ ft. and S. 68° 15' E., ~~the same distance~~ to the E. E. C. of the Claim.

A R E A.

	Acres.
Total and Net Area of the Senator Morgan No. 2,	19.695
Total Area of the Daliy News.	16.763 Acres.
Less Conflict with Sur. 1998, ^{Pandora} 8.178 "	8.585
Net Area of the Daily News,	
Total and Net Area of the Gladstone,	20.298
Total and Net Area of the Margarete,	20.298
Total and Net area of the Senator Morgan	20.661
Total and Net Area of the Nellie,	20.661
Total and Net Area of the Summit,	1.163
Net area of claims,	<u>111.361 A.</u>

LOCATION.

Location- These claims are located in Pima County, Arizona, in the San Xavier ^{or Pima} Mining District, in secs. 1-2-11, and 12 of Tp. 18 S., R. 12 E. (surveyed)

ADJOINING CLAIMS.

On the South by the Pandora Clim, Sur. No. 1998, Ben Heney Claimant. on the N. E. and W. by unsurveyed ~~land~~ claims(claimants not known. and by Government lands.

EXPENDITURE OF FIVE HUNDRED DOLLARS.

I certify that the value of the labor and im-
by claimants or their grantors,
provements placed upon or for each of these claims is
not less than five hundred dollars and that said im-
provements consist of, as follows-

Senator Morgan No. 2; from the W. E. C. of the Claim.

No.1

Discovery Shaft, 5 x 6 x 15 ft. in rock, bears S. 63°

	30' E., 149 ft. Value, -----	\$ 125.00
No. 2	Open cut, 3 x 3 x 15 ft. in rock, brs. S. 33° 30' E., 86 ft. Value,-----	\$ 50.00
No.3	Open Cut, 3 x 3 x 20 ft. in rock, brs. S. 43° 30' E., 123 ft. Value,-----	\$50.00
No.4	Shaft, 4 x 6 x 8 ft.,deep. in rock, bears S. 40° E., 195 ft. Value,-----	\$50.00
No.5	Open Cut, 6 x 4 x 20 ft., brs. S. 40° 30' E., 292 ft. Value,-----	\$75.00.
No.6	A Shaft, 4 x 6 x 15 ft. deep, bears S. 47° E.,336 ft. Value.-----	\$125.00
No.7	A Shaft, 5 x 6 x 6 ft., in rock, bears S. 47° E., 533 ft. Value,-----	\$50.00

To be credited from the Main 3 Compartment Shaft
on the Senator Morgan Claim of this survey; said
shaft being fully described, under improvements on
said claim, \$500.00

Total,

\$975.00
~~\$1102.60~~

Daily News;

No.1	Discovery Shaft, 4 x 6 x 10 ft. deep, bears S. 63° 30' E., 245 ft. from the W. E. C. of the Claim. Value,-----	\$100.00
	To be credited to this claim, from the cost of the Main 3 Compartment Shaft on the Senator Morgan Claim of this survey. \$500.00	
	Total,-----	\$600.00

Senator Morgan.

From the W. E. C. of the claim.

No.1	Discovery Shaft, 4 x 6 x 10 ft. deep, bears S. 79° E., 565 ft. Value, -----	\$100.00
	From the N. W. Cor. of the Claim, Cor. 2.	
No.2	Open Cut, 6 x 5 x 20 ft., brs. S. 71° E., 245 ft. Value,-----	\$ 50.00
	From a point, N. 79° W., 10 ft. from the Discovery Shaft. No. 1.	

N. E. Cor. of the Power House-24 x 30 ft.- with a gasoline engine and hoist-bears S. 25° 30' W., 52 ft.

Value,-----\$700.

No.3 3 Compartment Shaft(now being carried down) timbered, with galv^l frame, shaft 8 x 12 ft., 150 ft. deep, bears S. 20 30' W., 61 ft. 1/2 of cost to be credited to this Claim.

Value, ~~\$6,000.00~~ ^{1/2 interest}-----\$3,000.00

NOTE- This 3 compartment, timbered, main working shaft, now under process of sinking, is the main working shaft of this group of mining claims, and from the topographic conditions of the country over which these claims lay, an economical system of underground workings will eventually be constructed from the lower levels of this shaft; the richest ore bodies being found at lower levels. The shaft, as is evident from its location is practically in the center of the group of claims.

No.4 A Shaft, 4 x 6 x 10 ft. deep, bears S. 70° 30' E., 29 ft. Value, -----\$100.

No.5 Shaft, 4 x 6 x 10 ft. deep, in rock, brs. S. 60° 11' E., 49 ft. dist. Value,-----\$ 100.

No.6 A Shaft, 8 x 8 x 10 ft. deep, in rock, brs. S. 68° E., 111 ft. dist. Value,-----\$ 100.

No.7 A Shaft, 5 x 7, x 75 ft. deep, with galv^l frame, brs. S. 73° 30' E., 189 ft. dist.

Value,-----\$1200.00

No.8 Open Cut, 18 x 25 x 20 ft. and Shaft, 5 x 6, x 50 ft. deep, bears S. 80° E., 214 ft. Val.-----\$1500.00

No.9 N. W. Cor. of blacksmith Shop, a frame building, 14 x 18 ft. iron roof, brs. S. 87° E., 152 ft.

Value,-----\$200.00

No.9 A Shaft, 5 x 7 x 155 ft. deep, with whim and galv^l frame brs. East 214 ft. From this shaft their are

numerous levels run, Cost,

\$15000.00
22000
~~\$26,850~~

Total for this claim,

X

Nellie Claim.

No.1 From the E. E. C. of the Claim.
Discovery Shaft, 4 x 6 x 10 ft., deep, bears N. 79°
W., 100 ft. Value,-----\$100.

No.2 A Shaft, 5 x 7 x 12 ft. deep, bears N. 35° 45' W.,
216 ft. Value,-----\$100.00

To be credited from Main Shaft on
the Senator Morgan Claim,-----\$500.00

Total improvements, \$700.00

Margaret Claim.

From the E. E. C. of the Claim.

No.1 Discovery Shaft, 4 x 6 x 10 ft. deep, bears N. 68°
15' W., 660 ft. Value,-----\$100.00

No.2 From said Dis. Shaft, N. 82° 15' E., 265 ft. to
a shaft, 4 x 6 x 10 ft. deep, Value, \$100.00

To be credited to this claim from
Main Shaft on the Senator Morgan, \$500.00

Total improvements, \$700.00

Summit Claim.

From the E. E. C. of the Claim.

No.1 Discovery Shaft, 5 x 6 x 10 ft. deep, bears N.
68° 15' W., 50 ft. Value,-----\$100.00

No.2 A Shaft, 5 x 6 x 10 ft. deep, bears N. 18° W.,
20 ft. dist. Value,-----\$100.00

To be credited to this claim from
Main Shaft on the Senator Morgan,-----\$500.00

Total improvements for this claim \$700.00

Gladstone Claim.

From the E. E. C. of the Claim.

No.1 Discovery Shaft, 4 x 6 x 10 ft. deep, brs. N. 68°
15' W., 175 ft. Value,-----\$100.00

No.2 A shaft, 5 x 6 x 10 ft. deep, brs. N. 57° 30' W.,
540 ft. dist. Value,-----\$100.00

No.3 A Shaft, 4 x 6 x 10 ft. deep, brs. N. 55° W.,
600. ft. dist. Value,-----\$100.00

No.4	A shaft, 4 x 6 x 10 ft. deep, brs. N. 58° W., 730 ft. dist. Value,-----	\$100.00
No.5	A Shaft, 6 x 9 x 15 ft., deep, brs. S. 61° W., 59 ft. dist. Value,-----	\$150.00
No.6	A Shaft, 5 x 6 x 12 ft., deep, brs. S. 87° W., 247 ft. Value,-----	\$100.00
No.7	From Discovery Shaft- N. 87° W., 274 ft. to an Open Cut 18, x 6 x 6 ft. in rock, Val.-----	\$100.00
No.8	From same point, N. 38° W., 255 ft. to a shaft 5 x 8 x 20 ft. timbered. Val.	\$300.00
	To be credited to this claim from the Main Shaft. on the Senator Morgan,	\$500.00
	Total improvements for this claim,	\$1550.00

In addition to all of the foregoing, there are drifts and winzes extending from lower levels on the Senator Morgan claim which were run by the claimants or their grantors their cost being estimated by the present owners at, \$10,000.00

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INSTRUMENT.

This survey was made with A Gurley Engineers Transit, with Solar attachment; the courses were deflected from the true meridian determined by the Solar and checked by an observation on Polaris. The distances were measured with an engineers 50 ft. steel chain, with brazed links, and a 50 ft. steel tape.

NOTE- The difference in length of the side lines of the Daily News claim as appear from this survey and the description in the location notice of said claim, are due to errors in the latter.

I also have to report that I found an error of ~~96.8~~^{96.9} feet in the distance from Cor. No. 1 of the Pandora, Survey 1998, to the 1/4 sec. cor. The deputy

17.

chainmen evidently loosing a count of the foregoing distance, of ^{nearly} one length of tape, it being short that distance. The course as reported is practically correct.

Lorenzo D. Chillson

U. S. Deputy Mineral Surveyor.

Tucson, Arizona, March 17, 1905.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Lorenzo D. Chilson
 United States Deputy 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 The Twin Buttes Mining & Smelting Co.
 known as the Senator Morgan, Senator Morgan No 2, Gladstone, Margaret, Nellie, Summit
 and showing the respective capacities in which they acted. and Daily News.

- Ramon Corolla , Chairman.
- Jose Santiniez , Chairman.
- Charles Winston , Arman.
- " " , Flagman.

FINAL OATHS OF ASSISTANTS.

We, Charles Winston Ramon Corolla
 and Jose Santiniez do solemnly swear that we assisted Lorenzo D.
Chilson , United States Deputy Mineral Surveyor, in marking the corners and
 surveying the boundaries of the mining claim of The Twin Buttes Mining &
Smelting Co.
 , known as the Senator Morgan, Senator
Morgan No 2, Gladstone, Margaret, Nellie, Summit and Daily News .., represented
 in the foregoing field notes as having been surveyed by said deputy mineral surveyor and under
 his direction; and that said survey has been in all respects, to the best of our 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
the District of Arizona

witness his mark Ramon Corolla Jose Santiniez
Charles Winston
Jose Santiniez
 Chairman. Chairman. Arman. Flagman.

Subscribed and sworn to by the above-named persons before me
 this 28th day of February 1905
 My Commission expires - Feb 24th 1906
L. D. Chilson
Notary Public

Missing

Page

Affidavit of Five Hundred Dollars Improvements.

We, John Deane and E. G. Rogue

of lawful age, being first duly sworn according to law, depose and say: That we are acquainted with the Senator Morgan, Senator Morgan 2, Charlotte, Margaret, Nellie Bennett and Daily News mining claims situate in San Xavier Pinal

mining district, Pinal County, Arizona Territory, for which the Twin Buttes

Mining & Smelting Co. by Herford & Howard Atty's

have made application for survey prior to application for patent under the provisions of the Act of Congress

approved May 10, 1872; and that the labor done and improvements made thereon by the applicants and for each of the above seven claims mentioned

their grantors exceed five hundred dollars in value, and further that we are not personally interested

in said mine.s

John Deane
E. G. Rogue

TERRITORY OF ARIZONA,
COUNTY OF Pinal } ss:

Sworn to and subscribed before me this 28th day

[SEAL.]

of February, 1905
My Commission Expires Feb, 24th 1906

L. D. Gillson
Notary Public

Amended

NOTICE OF MINING LOCATION.

Lode Claim.

TO ALL WHOM IT MAY CONCERN:

This mining claim, the name of which is the SENATOR MORGAN NO. 2 mining claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits was entered upon and located for the purposes of exploration and purchase by The Twin Buttes Mining and Smelting Company, a corporation, by A. J. Blakeley, sec'y and agent, the undersigned on the 2nd day of February, 1905.

The length of this claim is fifteen hundred feet and I claim one hundred and fifty, more or less, feet, in a westerly direction, and thirteen hundred and fifty feet in an easterly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with three hundred feet in width of the surface grounds, on each side of the center of said claim. The general course of the lode deposit and premises is from the westerly to the easterly.

The claim is situated and located in the Pima mining district, in Pima county, in the territory of Arizona, about 1 1/2 miles in a southwesterly direction from the easterly Twin Butte.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a post and monument of stones, identical with the easterly end center of the senator Morgan claim at a point in a N 63° 30' W direction, one hundred forty-nine feet from the discovery shaft (at which this notice is posted), being in the center of the westerly end line of said claim; thence N 11° E 300 feet to a post and monument of stones, being the N W corner of said claim; thence S 63° 30' E 1500 feet to a monument of stones, being at the N E corner of said claim; thence

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S 11° W 300 feet to a post and monument of stones at the center of the easterly end of said claim; thence S 11° W 204 feet to a post and monument of stones being situated on the northerly side line of the Pandora (S E corner of said claim, claim surveyed for patent; thence N 83° W 279 feet to a monument of stones at the S E No. 2 corner of said claim; thence N 65° 30' W 1213 feet to a monument of stones,, being the S W corner of the claim; thence N 11° E 300 feet to the place of beginning.

All done under the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of the United States, and of an Act of the General Assembly of Arizona, entitled "An Act to Revise and Codify the Laws of the Territory of Arizona", approved March 16, 1901.

This is an amended location notice of the Morgan no. 2 mining claim, located by John Ellis and Michael Irish on the first day of April, 1900, and recorded in Book III, of Record of Mines, at page 599, in the office of the county recorder of the aforesaid county of Pima, to which reference is hereby made, and this amended location notice is made and posted to correct errors in the description in the said original location notice.

Dated and posted on the ground this 2nd day of February, 1905.

THE TWIN BUTTES MINING AND SMELTING CO.

By: H. J. Blakeley,

Sec. and Agent.

Filed and recorded at the request of The Twin Buttes Mining and Smelting Company, February 6, 1905, at 9.15 P M.

Book *JJ* Page *777*

Amended Amended
NOTICE OF MINING LOCATION.
Lode Claim.

TO ALL WHOM IT MAY CONCERN:

This mining claim, the name of which is the SENATOR MORGAN mining claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits was entered upon and located for the purpose of exploration and purchase by The Twin Buttes Mining and Smelting Company, a corporation, by H. J. Blakeley, Sec'y and Agent, the undersigned, on the 2nd day of February, 1905.

The length of this claim is fifteen hundred feet and claim five hundred and fifty, more or less, feet in a westerly direction, and nine hundred and fifty, more or less, feet in an easterly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with three hundred feet in width of the surface grounds, on each side of the discovery monument of said claim. The general course of the lode deposit and premises is from the westerly to the easterly.

The claim is situated and located in the Pima mining district, in Pima county, in the territory of Arizona, about 1 1/2 miles in a southwesterly direction from the easterly Twin Butte.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a post surrounded with mound of stones on northern slope of high hill at a point in a North ~~direction~~ 79° W direction 505 feet from the discovery shaft (at which this notice is posted) being in the center of the westerly end line of said claim; thence N 11° E 300 feet to a post and monument of stones, being the N W corner of said claim; thence S 79° E 1500 feet to a post & mon of stones, being at the N E corner of said claim; thence S 11° W 300 feet to a post & mon of stones at the center of the easterly end of said claim; being identical with

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the west end center of the Senator Morgan No. 3 claim; thence S 11° W 300 feet to a monument of stones, being at the S E corner of said claim; thence N 79° W 150 feet to a monument of stones at the S W corner of said claim; thence N 11° E 300 feet to the place of beginning.

All done under the provisions of Chapter Six of Title XXXII, of the Revised Statutes of the United States and of an Act of the General Assembly of Arizona, entitled "An Act to Revise and codify the Laws of the Territory of Arizona", approved March 16, 1901.

This is an amended location notice of the Senator Morgan mining claim, located by John Ellis and Michael Irish, on the ninth day of April 1899, and recorded in Book 66, of Records of Mines, at page 223, in the office of the county recorder of the aforesaid county of Pima, to which reference is hereby made, and this amended location notice is made and posted to correct errors in the description in the said original location notice.

Dated and posted on the ground this 2nd day of February, 1905.

THE TWIN BUTTES MINING AND SMELTING CO.

By: M. J. Blakeley,

Sec. and Agent.

Filed and recorded at request of Twin Buttes Mining and Smelting Company, February 6, 1905., at 9.15 M.

Book JJ Record of Mines, page 776

Amended Amended
NOTICE OF MINING LOCATION.

Lode Claim.

TO ALL WHOM IT MAY CONCERN:

This mining claim, the name of which is the Gladstone Copper Mining Claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purposes of exploration and purchase by The Twin Buttes Mining and Smelting Company, a corporation, by W. J. Blakeley, Sec'y. and Agent, the undersigned, on the 2nd day of February, 1905.

The length of this claim is fifteen hundred feet and I claim two hundred, more or less, feet in an easterly direction and thirteen hundred, more or less, feet in a westerly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with three hundred feet in width of the surface grounds, on each side of the center of said claim. The general course of the lode deposit and premises is from the easterly to the westerly.

The claim is situated and located in the Pima mining district, in Pima county, in the territory of Arizona, about 1 1/2 miles in a southwesterly direction from the easterly Twin Butte.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a post and monument of stones identical with the westerly end center of the Senator Morgan claim, at a point in a S 68° 15' E direction 175 feet from the discovery shaft (at which this notice is posted), being in the center of the easterly end line of said claim; thence S 11° W 300 feet to a post and monument of stones, being the S E corner of said claim; thence N 68° 15' W 1500 feet to a post & mon of stones being at the S W corner of said claim; thence N 11° E 300 feet to a mon-

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ument of stones at the center of the westerly end of said claim; thence N 11° E 300 feet to a mon. of stones, being at the N W corner of said claim; thence S 68° 15' E 1500 feet to a monument of stones, at the N E corner of said claim; thence S 11° W 300 feet to the place of beginning.

All done under the provisions of Chapter Six of Title X VII of the Revised Statutes of the United States, and of an Act of the General Assembly of Arizona, entitled "An Act to Revise and Codify the Laws of the Territory of Arizona", approved March 13, 1901.

This is an amended location notice of the Gladstone copper mining claim, located by John Ellis and Michael Irish, on the Sixth day of April, 1899, and recorded in Book 66, of Record of Mines, at page 327, in the office of the county recorder of the aforesaid county of Pima, to which reference is hereby made, and this amended location notice is made and posted to correct errors in the description in the said original location notice.

Dated and posted on the ground this 2nd day of February, 1905.

THE TWIN BUTTES MINING AND SMELTING CO.

By: H. J. Blakeley,

Sec. and Agent.

Filed and recorded at the request of Twin Buttes Mining & Sm. Co. February 6, 1905, at 3:15 P m.

Book JJ Record of Mines, page 779

Amended

NOTICE OF MINING LOCATION.

Lode claim.

TO ALL WHOM IT MAY CONCERN:

This mining claim, the name of which is the MELLIE COPPER mining claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purposes of exploration and purchase by The Twin Buttes Mining and Smelting Company, a corporation, by H. J. Blakeley, Sec'y and Agent, the undersigned, on the 3rd day of February, 1905.

The length of this claim is fifteen hundred feet and I claim one hundred, more or less, feet in an easterly direction and fourteen hundred, more or less, feet in a westerly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with three hundred feet in width of the surface grounds, on each side of the center of said claim. The general course of the lode deposit and premises is from the easterly to the westerly.

The claim is situated and located in the Pima mining district, in Pima county, in the territory of Arizona, about 1 1/2 miles in a southwesterly direction from the easterly Twin Butte. This claim lies parallel with and adjoins the southerly side line of the Senator Morgan claim.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a monument of stones situate on northern slope of main ridge, at a point in a 79° E direction one hundred feet from the discovery shaft (at which this notice is posted) being ⁱⁿ the center of the easterly end line of said claim; thence S 11° W 300 feet to a monument of stones, being the S E corner of said claim; thence N 79° W 1500 feet to a monument of stones, being at the S W corner of said claim; thence N 11° E 300

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feet to a monument of stones at the center of the westerly end of said claim; thence N 11° E 300 feet to a post & mon of stones, being at the N W corner of said claim; thence S 79° E 1500 feet to a post & mon of stones at the N E corner of said claim; thence S 11° W 300 feet to the place of beginning.

All done under the provisions of Chapter Six of Title XXVII of the Revised Statutes of the United States and of an Act of the General Assembly of the Territory of Arizona, entitled "An Act to Revise and Codify the Laws of the Territory of Arizona" approved March, 16, 1901.

This is an amended location notice of the Nellie Copper mining claim, located by John Ellis, and Michael Irish on the 29th day of April, 1899, and recorded in Book 66 of Record of Mines, at page 405, in the office of the county recorder of the aforesaid county of Pima to which reference is hereby made, and this amended location notice is made and posted to correct errors in the description in the said original location notice.

Dated and posted on the ground this 3rd day of February, 1905.

The Twin Buttes Mining And Smelting Co.

By H. J. Blakeley,

Sec. and Agent.

Filed and recorded at the request of Twin Butte Mining

& S. Co. February 6, 1905, at 3.15 P M

Book 99. Record of Mines, page 781

Amended

NOTICE OF MINING LOCATION.

Lode claim.

TO ALL WHOM IT MAY CONCERN:

This mining claim, the name of which is the MARGARET COPPER mining claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purposes of exploration and purchase by The Twin Buttes Mining and Smelting Company, a corporation, by H. J. Blakeley, Sec'y and agent, the undersigned, on the 3rd day of February, 1905.

The length of this claim is fifteen hundred feet, and I claim seven hundred, more or less, feet, in an easterly direction and eight hundred, more or less, feet in a westerly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with three hundred feet in width of the surface grounds, on each side of the center of said claim. The general course of the lode deposit and premises is from the easterly to the westerly.

The claim is situated and located in the Pima mining district, in Pima county, in the territory of Arizona, about 1 1/2 miles in a southwesterly direction from the easterly Twin Butte. This claim lies parallel with and adjoins the southerly side line of the Gladstone copper mining claim.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a monument of stones situate on right bank of small gulch on southern slope of main ridge, at a point in a S 68° 15' E direction 660 feet from the discovery shaft (at which this notice is posted), being in the center of the easterly end line of said claim; thence S 11° W 300 feet to a monument of stones, being the S E corner of said claim; thence N 68° 15' W 1500 feet to a monument of stones, being at the S W

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corner of said claim; thence N 11° E 300 feet to a monument of stones at the center of the westerly end of said claim; thence N 11° E 300 feet to a monument of stones, being at the N W corner of said claim, also being identical with S W cor. of Gladstone Copper mining claim; thence S 68° 15' E 1500 feet to a post & mon of stones at the N E corner of said claim; thence S 11° W 300 feet to the place of beginning.

All done under the provisions of Chapter Six, of Title XXVII of the Revised Statutes of the United States, and of an Act of the General Assembly of Arizona, entitled "An Act to Revise and Codify the Laws of the Territory of Arizona", approved March 16 1901.

This is an amended location notice of the Margaret Copper mining claim, located by John Ellis, and Michael Irish, on the 29th day of April, 1899, and recorded in Book GG, of Record of Mines, at page 406, in the office of the county recorder of the aforesaid county of Pima, to which reference is hereby made, and this amended location notice is made and posted to correct errors in the description in the said original location notice.

Dated and posted on the ground this 3rd day of February, 1905.

THE TWIN BUTTES M. & S. CO.

By: H. J. Blakeley,

Sec. and Agent.

Filed and recorded at request of Twin Buttes M. & S. Co.
February 6, 1905, at 3.15 P.M.

Book *J.J.* Record of Mines, page *780*

~~Amended~~

NOTICE OF MINING LOCATION.

Lode claim.

TO ALL WHOM IT MAY CONCERN:

This mining claim, the name of which is the SUMMIT mining claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purposes of exploration and purchase by The Twin Buttes Mining & Smelting Company, a corporation, by H. J. Blakeley, Secretary and Agent, the undersigned, on the 7th day of December, 1904.

The length of this claim is one hundred, more or less, feet, and I claim fifty, more or less, feet in an easterly direction and fifty, more or less, feet in a westerly direction, from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with three hundred feet in width of the surface grounds, on each side of the center of said claim. The general course of the lode deposit and premises is from the easterly to the westerly.

The claim is situated and located in the Pima mining district, in Pima county, in the territory of Arizona, about 1 1/2 miles in a southwesterly direction from Easterly Twin Butte.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a post and monument of stones, being identical with the westerly end center monument of the Gladstone Copper mining claim, at a point in a S 68° 15' E direction fifty feet from the discovery shaft (at which this notice is posted), being in the center of the easterly end line of said claim; thence S 11° W 300 feet to a monument of stones, being the southeast corner of said claim; thence N 68° 15' W 86 feet to a monument of stones, being at the southwest corner of said claim; thence N 11° E 300 feet to a post and monument of stones

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at the center of the westerly end of said claim; thence N 11° E 300 feet to a monument of stones, being at the northwest corner of said claim; thence S 68° 15' E 86 feet to a post and monument of stones, at the northeast corner of said claim; thence S 11° W 300 feet to the place of beginning.

All done under the provisions of chapter six of Title XXXVII, of the Revised Statutes of the United States, and of an Act of the General Assembly of Arizona, entitled "An Act to Revise and Codify the Laws of the Territory of Arizona", approved March 16, 1901.

Dated and posted on the ground this 7th day of December, 1904.

THE TWIN BUTTES MINING AND SMELTING CO.

By H. J. Blakeley, Agent.

FILED and recorded at request of The Twin Buttes Mining and Smelting Company on February 6, 1905, at 1.32 p. m.
Book *JJ* Record of Mines, page *775*

NOTICE OF MINING LOCATION.

Quartz Claim.

TO ALL WHOM IT MAY CONCERN:

This mining claim, the name of which is the DAILY NEWS mining claim, situate on lands belonging to the United States, of America, and in which there are valuable mineral deposits, was entered upon and located for the purpose of exploration and purchase by The Twin Buttes Mining and Smelting Co., a corporation, by H. J. Blakely, agent, the undersigned, on the Seventh day of December, 1904.

The length of this claim is twelve hundred & thirteen more or less feet and I claim two hundred & fifty more or less feet in a N 63° 30' W direction and nine hundred & fifty more or less feet in a S 63° 30' E direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim together with Three Hundred feet in width of the surface grounds, on each side of the center of said claim.

The general course of the lode deposit and premises is from the northwesterly to the southeasterly.

The claim is situated and located in the Pima mining district, in Pima county, in the territory of Arizona, about one and a half miles in a southwesterly direction from the Easterly Twin Butte.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a monument of stones, being identical with the easterly end center monument of the Nellie claim, at a point in a N 63° 30' W direction two hundred & forty-five feet from the discovery shaft (at which this notice is posted), being in the center of the westerly end line of said claim; thence N 11° E 300 feet to a monument of stones, being the N W corner of said claim; thence S 63° 30' E 1213 feet to a stone monument, being at the N E corner of said claim; thence S 11° W 300 feet to

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a monument of stones, being the center of the easterly end of said claim; thence same course 300 feet to a monument of stones, being at the S E corner of said claim; thence N 63° 30' W 1213 feet to a monument of stones, at the S W corner of said claim; thence N 11° E 00 feet to the place of beginning.

All done under the provisions of Chapter Six of Title XXXII of the Revised Statutes of the United States, and of an Act of the General Assembly of Arizona, entitled "An Act to Codify and Revise the Laws of the Territory of Arizona", approved March 16th, 1901.

Dated and posted on the ground, this Seventh day of December, 1904.

THE TWIN BUTTES MINING AND SMELTING CO

By: H. J. Blakeley, Agent.

Filed and recorded at request of The Twin Buttes Mining and S. Co. February 6, 1905. at 1.32 0 m.

Book *JJ* Record of Mines, page 776.

Territory of Arizona, }
 County Of P i m a } ss.

I, Charles A. Shibell, county recorder in and for the county and territory aforesaid, do hereby certify that the foregoing pages contain a full, true and correct copy of the location notices of the mining claims situate in the Pima mining district in the county of Pima, territory of Arizona, of which the names together with the book and page of Record of Mines in my office where their location notices are recorded are as follows, to-wit: Senator Morgan No. 2, Book JJ, page 777; Senator Morgan, Book JJ, page 776; Gladstone, Book JJ, page 779; Nellie, Book JJ, page 781, Maragret, Book JJ, page 780, Daily News, Book JJ, page 776; Summit, Book JJ, page 775.

WITNESS my hand and seal of office this 7th day of February, 1905.

Chas. A. Shibell,

County Recorder.

by L. M. Shibell, deputy.

4-687.

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 26, 1905

I, U. S. Surveyor-General for the district of Arizona

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the Mining Claim of The Twin Buttes Mining & Smelting Co.,

Senator Morgan, Senator Morgan No. 2, Gladstone, Margaret, Nellie, Daily News and Summit Claims.

situate in San Xavier or Pima, Pima County, Arizona.

in Section s. 1, 2, 11 & 12., Township No. 18 S., Range No. 12 E., designated as Survey No. 2030

executed by Lorenzo D. Gillson, U. S. Deputy Mineral Surveyor, Feb. 21st to 25th 1905.

Feb. 15th 1905., 190., have been critically examined and the necessary corrections and explanations made, and the said Field Notes and Return, and the Survey they describe, are hereby approved. A true copy of the copy of the location certificate filed by the applicant for survey is included in the field notes.

Frank S. Ingalls

U. S. Surveyor-General for Arizona.

T. 18 S. R. 12. E.
MINERAL SURVEY NO. 2030
PIMA MINING DIST.

LORENZO P. CHILSON,
U.S. DEP. MIN. SURV.

