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Recd. Sept 17/1904

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(4-683.)

Mineral Survey No. 1879 ~~1879~~

Lot No. _____

Gila Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

E. Calumet and Bisbee Mining Co.
Estate of Sol Pearce, Deceased.

Arenford and Hazzard attys.

KNOWN AS THE

Ontario, Summit, Grand Forge and A.H.
situate in Warren Mining District,

Cochise County, Arizona

Section approx Township 23 S, Range 30 E G. S. R. B. M.

Surveyed under instructions dated July 25th, 1904

by Francis V. Smith
U. S. Deputy Mineral Surveyor

Claim located see certificates, 1

Survey commenced July 27th, 1904

Survey completed August 3rd, 1904

Post Office Address of claimants attys.
Tucson, Pima County, Arizona

Mail to
Arenford & Hazzard

1/5
Lies OK
Aren OK

PRELIMINARY OATHS OF ASSISTANTS IN SURVEY OF MINING CLAIM.

WE, Hugh Millington and Edward Leppien,

do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level the chain upon even and uneven ground and plumb the tally-pins, either by sticking or dropping the same; that we will report the true distance to all notable objects, and the true length of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions

given us, in the survey of the Mining Claim of Calumet & Hecla Properties Co. Estate of Ed. Leppien

~~deceased~~ Henryford and Hazard Atty known as the Outaish, Damit, Grand Prize & OK

situate in Marney mining district

Cochise County, Arizona,

in Section approx Township No. 23S, Range No. 24E G.S.N.B.-M unsurveyed

Hugh Millington, Chainman.

Edward Leppien, Chainman.

Subscribed and sworn to by the above named persons before me this 27th day of July, 1904

Corrad Smith

I, _____, do solemnly swear that I will well and truly perform the duties of axman, in the establishment of corners and other duties, according to instructions given me and to the best of my skill and ability, in the survey of the Mining Claim of _____

known as the _____ more fully described in the preceding affidavit.

_____, Axman.

Subscribed and sworn to by the said _____

_____ before me this _____ day of _____, 190____

I, _____, do solemnly swear that I will well and truly perform the duties of flagman, in the establishment of corners and other duties, according to instructions given me and to the best of my skill and ability, in the survey of the Mining Claim of _____

known as the _____ more fully described in the preceding affidavit.

_____, Flagman.

Subscribed and sworn to by the said _____

_____ before me this _____ day of _____, 190____

Feet

ONTARIO.

Beginning at Cor. No. 1, the NW. cor. identical with location and with Cor. No. 1 and 2 respectively of South Pole lode, Survey No. 1394 and Lillie lode, Survey No. 1743 and on line 2-3 Uncle Sam lode, Survey No. 1394 a pine post 4 ft. long 4 ins. sq. set 1 ft. in the ground in a mound of stones and scribed 1-1879 O.L. whence a pine post of same dimensions and scribed W.C. 1-1879 brs. N. 2° 7' E. 50 ft., and a second pine post of same dimensions and scribing brs. S. 2° 7' W. 50 ft. and U.S.M.M.No.3 Warren Mining District brs. N. 38° 27' W. 2432.0 ft.

750.0 Thence S. 2° 07' W.
along line X-I Lillie Lode Survey No 1743.
to original location for W. side center,

1498.5 same bearing to Cor.No. 2, the SW. cor., identical with location and with Cor. No. 1 Damit lode, of this survey, and on line 1-2 Lillie lode, Survey No.1743, a pine post etc., and scribed 2-1879 O. L., whence U.S.M.M.No.3 Warren Mining District brs. N. 56° 39' 30" W. 2843.8 ft.

313.2 Thence S. 71° 10' E.
to original location for S. end center,

500.0 same bearing to Cor.No.3, the SE. cor., identical with Cor. No. 11 Damit lode of this survey, a pine post 4 ft. long 4 ins. sq. set 1 ft. in the ground in a mound of stones and scribed 3-1879 O.L., whence a pine post of same dimensions and scribed W. C. 3-11-1879 brs. N. 71° 10' W. 25 ft., and a second pine post of same dimensions and scribing brs. S. 71° 10' E. 25 ft. and original location for S.E.cor. brs. S. 71° 10' E. 134 ft. *and the 1/2 Sec. Cor. on the North side of Sec. 4, T. 24 S. R. 24 E bears S. 6° 47' W. 936.1 ft.*

115.0 Thence N 86° 41' E.
ft. to Cor.No.4 identical with Cor.No.10 Damit lode of this survey, a pine post 4 ft. long 4 ins. sq. set 1 ft. in the ground in a mound of stones, scribed 4-1879 O.L., whence a pine post of same dimensions and scribed W. C. 4-10-1879 brs. N. 86° 41' E. 25 ft., and a second pine post of same dimensions and scribing brs. S. 86° 41' W. 25 ft.

Feet

Ontario (Con)

Thence N. 7° 33' W.

498.0 ft. to Cor.No.5, identical with Cor.No.9 Damit lode of this survey, and Cor.No.2 War Eagle lode, Survey No.1697 a pine post 4 ft. long 4 ins. sq. set 1 ft. in the ground in a mound of stones and scribed 5-1879 O. L., whence a pine post of same dimensions and scribed W. C. 5-9-1879 brs. S. 7° 33' E 50 ft., and a second pine post of same dimensions and scribing brs. N. 7° 33' W. 50 ft.,

Thence N. 3° 14' E.

231.8 along line 2-1 War Eagle lode, Survey No. 1697 to original location for E. side center,
600.0 same bearing to Cors. No.1 and 8 respectively of War Eagle and Black Hawk lodes, Survey No.1697,
981.8 same bearing to Cor.No.6, the NE. cor., identical with location and with Cor.No.1 Black Hawk lode, Survey No. 1697, a pine post 4 ft. long 4 ins. sq. set 1 ft. in the ground in a mound of stones and scribed 6-1879 D.L., whence a pine post of same dimensions and scribed W.C.6-1879 brs.N.3° 14'E. 50 ft., and a second pine post of same dimensions and scribing brs. S 3° 14' W. 50 ft.

Thence N. 71° 10' W.

239.0 along line 2-1 South Pole lode, Survey No.1394 to original location for N. end center,
552.2 same bearing to Cor.No.1, the NW. cor., the place of beginning.

Ledge.

The presumed course of the vein on this claim is from the S. end center of location N. 2° 07' E. 1498.5 ft.

DAMIT.

Beginning at Cor.No.1, the NW. cor., identical with location and with Cor.No.2 Ontario lode of this survey, a pine post 4 ft. long 4 ins sq. set 1 ft. in the ground in a mound of stones and scribed 1-1879 D.L., whence a pine post of same dimensions and scribed W. C.2-1-1879 brs. N. 2° 7' E. 50 ft., and a second pine post of same

DAMIT (Con)

Feet

dimensions and scribing brs. S. $2^{\circ} 7' W.$ 50 ft., and U. S. M. M. No. 3 Warren Mining District brs. N. $56^{\circ} 39' 30'' W.$ 2843.8 ft.

Thence S. $2^{\circ} 7' W.$

198.1 along line 2-1 Lillie lode, Survey No. 1743, to Cor. No. 2 the SW. cor., identical with location and with Cors No. 1 2 and 2 respectively of Millie, Contractor and Alcatraz lodes, Survey No. 1743, a pine post 4 ft. long 4 ins. sq set 1 ft. in the ground in a mound of stones and scribed 2-1879 D.L., whence a pine post of same dimensions and scribed W. C. 2-1879 brs. N. $2^{\circ} 7' E.$ 25 ft, and a second pine post of same dimensions and scribing brs. S. $2^{\circ} 7' W.$ 25 ft.,

Thence N. $86^{\circ} 40' E.$

600.0 along line 2-3 Alcatraz lode, Survey No. 1743, to Cor. No 3, identical with location and with Cors. No. 3 and 5 respectively of Alcatraz and Major lodes Survey N. 1743 a pine post 4 ft. long 4 ins. sq. set 1 ft. in the ground in a mound of stones and scribed 3-1879 D L., whence a pine post of same dimensions and scribed 3-1879 brs. S $86^{\circ} 40' W.$ 25 ft. and a second pine post of same dimensions and scribing brs. N. $86^{\circ} 40' E.$ 25 ft.,

Thence S. $35^{\circ} 04' E.$

171.5 along line 5-4 Major lode, Survey No. 1743, to Cor. No. 4 identical with location and with Cors. No. 4 and 3 respectively of Major and Wales lode, Survey No. 1743, a pine post 4 ft. long 4 ins. sq. set 1 ft. in the ground in a mound of stones and scribed 4-1879 D.L., whence a pine post of same dimensions and scribed W. C. 4-1879 brs. N. $35^{\circ} 04' W.$ 25 ft. and a second pine post of same dimensions and scribing brs. S. $35^{\circ} 4' W.$ 25 ft., and the $\frac{1}{4}$ Sec. cor. on the N. side of Sec. 4, T24E R24E bearing $S 8^{\circ} 13' 30'' W.$ 9252.6 ft.
Thence N. $80^{\circ} 30' E.$

32.9 along line 3-2 Wales lode, Survey No. 1743 to Cor. No. 5, the SE. cor., identical with location and with Cor. No. 6 Grand Prize lode. of this survey, a pine post 4 ft. long

Damit (Con 2)

Feet

4 ins. sq. set 1 ft. in the ground in a mound of stones and scribed 5-1879 D.L., whence a pine post of same dimensions and scribed W. C. 5-6-1879 Brs. N. $11^{\circ} 27' W.$ 25 ft., and a second pine post of same dimensions and scribing brs. S. $11^{\circ} 27' E.$ 25 ft.

Thence N. $2^{\circ} 07' E.$

476.0 to original location for E. end center,

612.5 same bearing to Cor. No. 6, the NE. cor., identical with location and on line 1-2 Grand Prize lode of this survey a pine post 4 ft. long 4 ins. sq. set 1 ft. in the ground in a mound of stones and scribed 6-1879 D.L., whence a pine post of same dimensions and scribed W. C. 6-1879 brs. N. $84^{\circ} 30' E.$ 25 ft., and a second pine post of same dimensions and scribing brs. S. $84^{\circ} 30' W.$ 25 ft.

Thence S. $80^{\circ} 30' W.$ ✓

143.76 along line 2-1 Grand Prize lode of this survey, to Cor. No. 1 Grand Prize lode,

182.06 same bearing to Cor. No. 7, identical with Cor. No. 2, O.K. lode of this survey, a pine post 4 ft. long 4 ins. sq. set 1 ft. in the ground in a mound of stones and scribed 7-1879 D.L., whence a pine post of same dimensions and scribed W. C. 7-2-1879 brs. N. $34^{\circ} 53' W.$ 25 ft., and a second pine post of same dimensions and scribing brs. S. $34^{\circ} 53' E.$ 25 ft. This corner is identical with location.

Thence N. $34^{\circ} 53' W.$

68.1 along line 2-1 D.K. lode of this survey to cor. No. 8 identical with location and with Cor. No. 1 O.K. lode of this survey, a pine post etc., and scribed 8-1879 D.L.,

Thence S. $76^{\circ} 04' W.$

4.2 along line 3-2 War Eagle lode, Survey No. 1697 to Cor. No. 9 identical with Cor. No. 2 War Eagle lode and Cor. No. 5 Ontario lode, of this survey, a pine post etc., scribed 9-1879 D.L., This cor. is identical with location.

Survey No. 1879. ~~Amended~~

Feet

Damit Con3)

Thence S. 7° 33' E.

498.0 along 5-4 Ontario lode of this survey, to Cor. No. 10 identical with location and with Cor. No. 4 Ontario lode, a pine post etc., and scribed 10-1879 D.L.,

Thence S. 86° 41' W.

115.0 to Cor. No. 11 identical with location and with Cor. No. 3 Ontario lode of this survey a pine post etc., and scribed 11-1879 D.L.,

Thence N. 71° 10' W.

500.0 along line 3-2 Ontario lode of this survey to Cor. No. 1 the place of beginning.

Ledge.

The presumed course of the vein on this claim is from the E. end center of location S. 24° 01' W. 364.3 ft. thence S. 86° 40' W. 600 ft.

GRAND PRIZE.

Beginning at Cor. No. 1, the NW. cor., identical with location and on line 2-3 O.K. lode of this survey a pine post 4 ft. long 4 ins. sq. set 1 ft. in the ground in a mound of stones and scribed 1-1879 G.P.L., whence a pine post of same dimensions and scribed W. C. 1-1879 brs. N. 11° 27' W. 25 ft., and a second pine post of same dimensions and scribing brs. S. 11° 27' E. 25 ft. and U. S. M. No 3 Warren Mining District brs. N. 66° 52' W. 3239.6 ft.

Thence N. 80° 30' E.

143.76 along line 2-3 O.K. lode to Cor. No. 6 Damit lode of this survey,

750.0 same bearing to original location for N. side center,

990.0 same bearing to the intersection of the Bisbee Branch E.P.&S.W.R.R.

1461.7 same bearing to Cor. No. 2, the NE. cor., identical with cor. No. 3 O.K. lode of this survey, a pine post 4 ft. long 4 ins. sq. set 1 ft in the ground in a mound of stones

Feet

and scribed 2-1879 G.P.L., whence a pine post of same dimensions and scribed W. C. 2-1879 brs. N. $34^{\circ} 53'$ W. 25 ft. and a second pine post of same dimensions and scribing brs. S. $34^{\circ} 53'$ E. 25 ft. and original location for NE. cor. brs. N. $80^{\circ} 30'$ E. 32.3 ft.

Thence S. $34^{\circ} 53'$ E.

96.2 along line 4-3 Naco Pass lode, Survey No. 1697 to Cor.No 3 identical with Cors.No.3 and 3 respectively of Naco Pass lode, Survey No.1697 and Last Chance lode, Survey No. 1393, a pine post 4 ft.long 4 ins.sq.set 1 ft. in the ground in a mound of stones and scribed 3-1879 G.P. L., whence a pine post of same dimensions and scribed W. C. 3-1879 brs. N. $11^{\circ} 27'$ W. 25 ft., and a second pine post of same dimensions and scribing brs. S. $11^{\circ} 27'$ E. 25 ft.

Thence S. $11^{\circ} 27'$ E.

211.9 along line 3-4 Last Chance lode, Survey No. 1393 to original location for E. end center,

423.3 same bearing to Cor. No. 4, identical with Cors.No. 4 of Last Chance and Nellie lodes Survey No.1393, a pine post 4 ft. long 4 ins. sq. set 1 ft. in the ground in a mound of stones and scribed 4-1879 G.P.L., whence a pine post of same dimensions and scribed W. C. 4-1879 brs. N. $11^{\circ} 27'$ W. 25 ft., and a second pine post of same dimensions and scribing brs. S. $11^{\circ} 27'$ E. 25 ft.

Thence S, $10^{\circ} 10'$ W.

95.6 along line 4-3 Nellie lode, Survey 1393 to Cor.No.5 the SE. cor., identical with Cor.No. 2 Wales lode Survey No.1743 a pine post 4 ft.long 4 ins. sq. set 1 ft in the ground in a mound of stones and scribed 5-1879 G.P.L., whence a pine post of same dimensions and scribed W. C. 5-1879 brs. S. $80^{\circ} 30'$ W. 25 ft., and a second pine post of same dimensions and scribing brs. N. $10^{\circ} 10'$ E. 25 ft. and original location for SE. cor., brs. \times N $80^{\circ}30'$ E. 35.3 ft.

Survey No. 1879 ~~Amendment~~
Grand Prize (Con 2)

Feet

Thence S. 30° 30' W.

750.0 to original location for S. side center,
 837.0 same bearing along line 2-3 Wales lode, Survey No.1743
 to the intersection of the Osborn Branch E.P.&S.W.R.R.
 1024.0 same bearing to the intersection of the Naco Branch of
 the E.P.&S.W.R.R.
 1464.7 same bearing to Cor.No.6, the SW. cor., identical with
 Cor.No. 5 Damit lode of this survey a pine post etc.,
 scribed 6-1879 G.P.L., ^{whence} the 4 sec. corner on the N side
 of sec. 4, T. 24S R 24E bears S. 8° 25' W. 9261.6 ft.
 Thence N. 11° 20' W

300.15 to original location for W. end center,
 600.3 same bearing to Cor.No.1, the NW. cor., the place of
 beginning.

Ledge.

The presumed course of the vein on this claim is
 from the W. end center of location N. 80° 30' E. 1500 ft.

O. K.

Beginning at Cor.No.1, the NW. cor., identical with
 location and with Cor.No.8 Damit lode of this survey,
 a pine post 4 ft.long 4 ins. sq. set 1 ft. in the ground
 in a mound of stones and scribed 1-1879 O.K.L., whence a
 pine post of same dimensions and scribing W.C.1-8-1879
 hrs. N. 34° 53' W. 25 ft., and a second pine post of
 same dimensions and scribing hrs. N. 76° 04' E. 25 ft.
 and U.S.M.^{M.}N.No3 Warren Mining District hrs. N.
 67° 09' W. 3149.6 ft.

Thence S. 34° 53' E.

11.3 to original location for W. end center,
 68.1 same bearing to Cor. No.2, the SW. cor., identical with
 location and with Cor.No.7 Damit lode of this survey,
 a pine post etc., and scribed W.C.2-1879 whence the 4 sec.
 cor. on the North side of sec. 4, T. 24S R. 24E bears S 7° 01' W. 9817.4
 ft.
 Thence N. 30° 30' E.

38.3 to Cor.No.1, Grand Prize lode of this survey,
 182.06 same bearing along line 1-2 Grand Prize lode of this survey
 to Cor.No.6 Damit lode of this survey,

O. K. (Con)

Feet

- 788.3 same bearing to original location for ~~NS~~ side center,
 1028.3 same bearing to the intersection of the Bisbee Branch of
 the E.P.&S.W.R.R.
- 1500.0 same bearing to Cor. No. 3, the SE. cor., identical with
 location and with Cor.No. 2 Grand Prize lode of this sur-
 vey, a pine post etc., and scribed 3-1879 O.K.L.,
- Thence N. 34° 53' W'
- 56.8 along line 3-4 Naco Pass lode, Survey No 1697 to original
 location for E. end center,
- 116.8 same bearing to Cor. No. 4, identical with location and
 with Cor.No. 4 Naco Pass lode, Survey No.1697, a pine
 post 4 ft. long 4 ins. s. set 1 ft. in the ground in a
 mound of stones and scribed 4-1879 O.K.L., whence a pine
 post of same dimensions and scribing brs. N. 34° 53' W.
 25 ft., and a second pine post of same dimensions and s
 scribing brs. S. 34° 53' E. 25 ft.
- Thence S. 75° 19' W.
- 188.9 along line 4-5 Naco Pass lode, Survey No.1697 to Cor.No.
 5 identical with Cor.No. 5 Naco Pass lode, a pine post
 4 ft. long 4 ins. sq. set 1 ft. in the ground in a mound
 of stones and scribed 5-1879 O.K.L., whence a pine post
 of same dimensions and scribed W. C. 5-1879 brs. N. 75°
 19' E. 25 ft., and a second pine post of same dimensions
 and scribing brs. S. 75° 19' W. 25 ft. this cor identical
 with location.
- Thence N. 1° 51' W.
- 74.65 to Cor.No.6 the NE. cor., identical with location and with
 Cor.No.6 Naco Pass lode, Survey No1697 a pine post 4 ft.
 long 4 ins. sq. set 1 ft. in the ground in a mound of
 stones and scri bed 6-1879 O.K.L., whence a pine post of
 same dimenensions and scribed W. C. 6-1879 brs. S. 76°
 04' W. 25 ft., and a second pine post of same dimensions
 and scribing brs. N. 76° 04' E. 25 ft.
- Thence S. 76° 04' W.
- 105.0 along line 3-2 War Eagle lode, Survey No. 1697 to the

Feet

554.9 intersection of the Bisbee, Branch of the E.P.&S.W.R.R.
1304.9 same bearing to original location for N. side center,
same bearing to Cor.No.1, the NW. cor., the place of
beginning.

Ledge.

The presumed course of the vein on this claim is
from the W. end center of location N.80°30'E.1500 ft. ✓

AREA.

Total area Damit lode,	3.325 Acres	
Less area in conflict with Grand Prize lode of this survey,	0.990	
Net area Damit lode,		✓ 2.335 A
Total and net area Ontario lode,		✓ 18.226 "
" " " " "Grand Prize lode,		✓ 20.585
" " " " "O K. Lode,		✓ 3.775
Total and net area group,		✓ 44.921 A.

IMPROVEMENTS.

I certify that the value of the labor and improve-
ments on this group placed thereon by claimant or their
grantors is not less than \$500 for each location thereof
and that said improvements consist of:

ONTARIO.

No.1	Discovery Shaft 4X6X10 ft. hrs. from Cor.No.2. N.19° 50'E. 660 ft., Value	\$100.00
No.2	Double compartment timbered shaft 7X12X1000 ft. <i>hrs. from</i> <i>Cor. No. 5, S. 72° 10' W. 265 ft.</i> which tends to develop the entire group and <i>an undivided</i> <i>1/4</i> interest in which has been allotted to each of the 4 claims of this group Value \$40,000	
	An undivided <i>1/4</i> interest allotted to this claim	<u>10,000.00</u>
	Total improvements Ontario lode,	\$10,100

DAMIT.

No.1	Discovery Shaft 4X6X10 ft. hrs. from Cor.No.1, S.33°10'E. 100 ft., B Value	\$100.
	An undivided <i>1/4</i> interest in Shaft No.2 Ontario lode of this survey,	<u>\$10,000</u>
	Total improvements Damit lode,	10,100

Improvements (Con)

Grand Prize.

No. 1	Discovery shaft 4X6X10 ft. brs. from Cor. No. 1 S. 82° 30' E. 505 ft. Value	\$100.00
No. 2	Open Cut 5X7X12 ft. and shaft 4X5X8 ft. brs. from Cor. No. 4 N. 84° 15' W. 440 ft., Value	150.00
No. 3	Shaft 4X6X65 ft. brs. from same point N. 79° 45' W. 550 ft., Value	1300.00
No. 4	Shaft 4X6X12 ft. brs. from same point N. 65° 40' W. 305 ft. Value	120.00
No. 5	Open Cut 4X18X10 ft. and shaft 4X6X8 ft. brs. from same point N. 64° W. ^{285 ft} Value	\$200.00
	Undivided $\frac{1}{2}$ interest in Shaft No. 2 Ontario lode of this survey	<u>10,000.00</u>

Total improvements on Grand Prize \$11,870

O. K.

No. 1	Discovery Shaft 4X6X10 ft. brs. from Cor. No. 4 S. 1° 49' W. 80 ft., Value	100.00
	Undivided $\frac{1}{2}$ interest in Shaft No. 2 Ontario lode of this survey	<u>10000.00</u>

Total improvements O.K. lode 10,100

Total improvements on group \$42,170

ADJOINING CLAIMS.

- North South Pole lode, Survey No. 1394, Lake Superior & Pittsburg Mining Co. owner.
- East, Black Hawk, War Eagle and Naco Pass lodes, Survey No. 1697
Thos. Higgins, owner, Last Chance and Nellie lodes, Survey
No. 1395, Lake Superior & Pittsburg Min. Co. owner.
- South. Wales, Major and Alcatraz lodes, Survey No. 1743 Calumet
& Bisbee Dev. Co. owner.
- West. Contractor and Lillie lodes, Survey No. 1743, same owner.
Uncle Sam lode, Survey No. 1394 Copper Queen. Con. Min. Co
owner.

LOCATION.

This group is located about 2 1/2 mi. in a S. direction from the City of Bisbee, in Warren Mining District, Cochise County, Arizona, on unsurveyed lands, approximately in Tp. 23. S. R. 24 E. G & S. R. B & M.

INSTRUMENT.

This survey was made with a Leitz Mountain and Mining transit. The courses were deflected from the true meridian as determined by solar observation, checked by an observation on Polaris. The distances were measured with a 300 foot steel tape.

Magnetic Variation 12° 30' E.

Franklin W. Smith

U. S. Deputy Mineral Surveyor.

Bisbee, Arizona,

Aug 3rd 1904.

B

Note

This survey does not agree in either course or distance with Survey No. 1393, Last Chance and Nellie lodes, with which two lines of Grand Prize lode of this survey are identical. It does not agree in distance with Survey No. 1394 ^{South Pole and} ~~Enloe Sam~~ lode, with which the N. end line of Ontario is identical, all of which discrepancies are due to errors in these adjoining approved surveys.

South Pole

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Franklin W. Smith
 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 Calumet and Copper Development Co
Estate of Sal Perea, Deceased, Herford & Hazard, attys
 known as the Quitaric, Danit, Grand Prize & O.K.
 and showing the respective capacities in which they acted.

Edward Leppien, Chainman.

Hugh Millington, Chainman.

....., Axman.

....., Flagman.

FINAL OATHS OF ASSISTANTS.

We, Edward Leppien
 and Hugh Millington, do solemnly swear that we assisted Franklin W. Smith
 United States Deputy Mineral Surveyor, in marking the corners and
 surveying the boundaries of the mining claim of Calumet and Copper Development Co
Estate of Sal Perea
Deceased Herford and Hazard attys
Danit, Grand Prize O.K., known as the Quitaric
Danit, Grand Prize O.K., 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
Arizona

Edward Leppien, Chainman.

Hugh Millington, Chainman.

....., Axman.

....., Flagman.

Subscribed and sworn to by the above-named persons before me
 this 3rd day of August, 1904

Corrad Smith
 Notary Public for the County of Coconino, Territory of Arizona.
 My Commission Expires March 21, 1905

(4-686.)

FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR

I, Franklin W. Smith, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated July 25th 1904, 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 Estad of Sa Pece Deceased Merford and Hazzard atty, known as the Outcans, Danut Gans Priz ON, situate in Warren Mining District, Cochise County, Arizona, in Section appras, Township No. 23S, Range No. 24 E. S. R. 8. 1 m, and designated as Survey No. 1879 amended 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 gr 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.

Franklin W. Smith
U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said Franklin W. Smith
U. S. Deputy Mineral Surveyor, before me
this 3rd
day of August, 1904.

Cora E. Smith
NOTARY PUBLIC
for the County of Cochise, Territory
My Commission Expires March 21, 1905.

Affidavit of Five Hundred Dollars Improvements.

We, Edward Leppien, and Hugh Meltington

of lawful age, being first duly sworn according to law, depose and say: That we are acquainted with the ^{and O.K.} ~~Quintero, Daniel, Gas~~ ^{and O.K.} ~~Pygmining~~ claim,

situate in Warren Mining district, Cochise County, Arizona Territory, for which Calumet and Globe Development Co. ~~Estab. of the same deceased~~

Newford and Hazzard attys.

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 applicant and S grantors exceed Five Hundred Dollars in value, ^{for each location} and further that we are not personally interested in said mine.

Edward Leppien

Hugh Meltington

TERRITORY OF ARIZONA,

County of Cochise } ss:

Sworn to and subscribed before me, this 3rd

day of August, 1904

Cora E. Smith



Notary Public for the County of Cochise, Arizona
My Commission Expires March 21, 1905

NOTICE OF LODE MINING LOCATION.

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the Danit, situated on lands belonging to the United States, and in which there are valuable mineral deposits, was entered upon for the purpose of exploration and purchase by Emil Marks, James D. Blair, and John W. Blair, citizens of the United States, the undersigned on the 25th day of July 1902. The length of the claim is 800 ft. and we claim 50 ft in a Westerly and 750 ft in an Easterly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with 300 ft in width of the surface grounds on each side of the center of said claim. The general course of the lode deposit & premises is from the East to the West. The claim is located in the Warren Mining District, Cochise County, Arizona Territory, about 3 1/2 miles in a S. E. direction from Bisbee and about 600 ft N. of the Arizona & S. E. R. R. track and 2500 ft N. E. of Don Louis Station. It is bounded on the North by the Ontario, & O. K. unsurveyed claims and the N. W. cor. is identical with cor No. 2 of the War Eagle Lode No. 1697. On the East by the Grand Prize. On the south by Alkatraz & Major, and on the West by the Lillie. The surface boundaries of the claim are marked upon the surface as follows.

Beginning at a monument of stones at a point in a Westerly direction 50 ft from the discovery shaft, at which this notice is posted, thence Southerly 100 ft., thence Easterly 600 ft. thence South Easterly 172 ft., thence Northerly 300 ft. to center E end line same bearing 600 ft to N. E. Cor. thence westerly 40 ft, thence North westerly 80 ft to cor. No. 2, War Eagle No. 1697, thence southerly 500 ft to S. E. Cor. Ontario; thence Westerly 115 ft, thence North westerly 500 ft. to the N. W cor. thence southerly 100 ft to the place of beginning. All done under the provisions of Chapter Six of Title Thirty two of the revised statutes of the United States and of an act of the general assembly of Arizona, entitled " An Act concerning Mines," approved March 20th 1895 and amended March 2nd. 1899 and March 16th 1901. Dated and posted on the ground this 25th day of July, A. D. 1902.

Locators

Emile Marks, James A. Blair John W. Blair

Witness: Geo C. Clark.

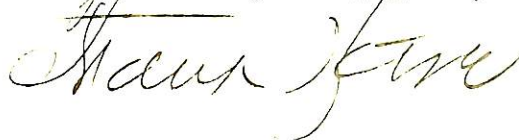
Filed and recorded at request of E. Marks Oct. 9 1902 at 11 A. .
Book 21 Record of Mines, at pages 160 to 162.

TERRITORY OF ARIZONA,

County of Cochise, SS:

I, Frank Hare, County Recorder in and for said county, hereby certify that I have compared the foregoing copy with the original Location Notice of the Damit Mining Claim, filed and recorded in my office on the 9th day of October, 1902 in Book 21 Record of Mines, at pages 160 to 162, and that the same is a full, true and correct copy of such original, and of the whole thereof.

witness my hand and official seal this 8th day of August, 1904.



County Recorder.

NOTICE OF LODE MINING CLAIM.

TO ALL WHOM IT MAY CONCERN:

This Mining claim, the name of which is O. K. situated on lands belonging to the United States, and in which there are valuable moneral deposits, was entered upon for the purpose of exploration & purchase by Emil Marks, James A. Blair and John W. Blair, citizens of the United States, the undersigned, on the 25th day of July 1902. The length of the claim is 1500 ft & we claim 50 ft in an Easterly & 1450 ft in a Westerly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with 200 ft of the surface grounds on each side of the center of said claim. The general course of the lode deposit & premises is from the East to the West. The claim is located in the Warren Mining District, Cochise County, Arizona, about 3 1/2 miles in a S. E. direction from Bisbee & 2500 ft N. E. from Don Louis station and the Arizona & S. E. R.R. crosses it near the Eastern end. It is bounded on the North by the War Eagle No. 1697, on the East by Naco Prass Nk 1697 on the South by the Grand Prize Lode and on the West by the Damit. The surface boundaries of the claim are marked upon the ground as follows.-- Beginning at a monument of stones at a point in a easterly direction 50 ft from the discovery shaft at which this notice is posted being the center of the end line of claim; thence N. W. 60 ft to Cor. No. 4 Naco Pass No. 1697, thence S. W. 200 ft to Cor No. 5 Naco Pass No. 1697, thence N. W. 75 ft to cor' No. 6 Naco Pass No. 1697, being on line 2-3 War Eagle No. 1697, thence S. W. along 2-3 War Eagle No. 1697 1300 ft to Cor. No. 2 of the same, being the N. W. cor. of this location, thence S. E. 40 ft to the W. end center same bearing 80 ft to the S. W. Cor. thence N. E. 40 ft to the N. W. Cor. Grand Prize Lode, same bearing 1540 ft to N. E. Cor. Grand Prize Lode, being the S. E. Cor. of this claim, thence N. W. 60 ft to the place of beginning.

All done under the provisions of Chapter Six of Title Thirty two of the Revised Statutes of the United States, and of an act of the General Assembly of Arizona entitled "An Act Concerning mines" Approved March 20th 1895 and amended March 2nd 1899 & March 13th 1901.

Dated and posted on the ground this 25th day of July 1902.

Locators

Emil Marks, James A. Blair John W. Blair.

witness Geo. C. Clark.

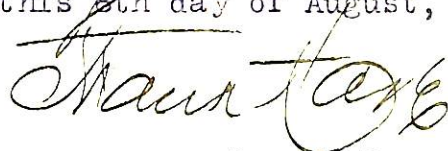
Filed and recorded at request of E. Marks Oct. 9th 1902 at
11 A. M. Book 21, record of Mines at pages 158 to 160.

TERRITORY OF ARIZONA,

County of Cochise, SS:

I, Frank Hare County Recorder in and for said County, hereby certify that I have compared the foregoing copy with the original location Notice of the O. K. Mining Claim, filed and recorded in my office on the 9th day of October, 1902, in Book 21 Record of Mines, at pages 158 to 160, and that the same is a full, true and correct copy of such original, and of the whole thereof.

Witness my hand and official seal this 25th day of August, 1904.



County Recorder.

NOTICE OF MINING LOCATION.

Quartz Claim.

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the "Grand Prize" Mining Claim, situated 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 Sol R. ~~Pierce~~ ^{Pierce}, James D. Blair and Ernest C. Barker, the undersigned on the 20th day of October, 1897. The length of this ^{claim} is fifteen hundred (1500) feet and said claim is seven hundred and fifty (750) feet in an Easterly direction and seven hundred and fifty (750) feet in a Westerly direction from the center of the Discovery shaft, at which this notice is posted, lengthwise of the claim, together with 300 feet in width of the surface ground, on each side of the center of said claim. The general course of the lode deposit and premises is from the North to the South. The Claim is situated and located in ~~the~~ Warren Mining District, Cochise County, in the Territory of Arizona, about 3 miles in a Southerly direction from Bisbee, Cochise County, Arizona Terr. and about One Mile from Don Louis ^{Station} in a North Easterly direction.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a monument of stones at a point in a Westerly direction seven hundred and fifty feet from the Discovery shaft (at which this notice is posted) being in the Center of the Westerly end line of said claim: thence Northerly 300 feet to a monument of stones being the North Westerly corner of said claim; thence Easterly 750 feet to a monument of stones at the center of the Northerly side line of said claim, thence Easterly 750 feet to a monument of stones being at the North Easterly corner of said claim; thence Southerly 300 feet to a monument of stones, at the center of the Easterly end of said claim; thence Southerly 300 feet to a monument of stones being at the South Easterly corner of said claim; thence Westerly 750 feet to a monument of stones, being at the center of the Southerly side line of said claim; thence Westerly 750 feet to a monument of stones at the south Westerly corner of said claim; thence Northerly, 300 feet to the place of beginning.

Said claim is bound on the North by the War Eagle Mining Claim.

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 Concerning Mines, approved March 20th 1895. Dated and posted on the ground this 20th day of October 1897.

In the presence of
Robert Todd.

(Sol R. ^{Pierce} ~~Picee~~
(James D. Blair
(Earnest C. Barker

Filed and recorded at request of James D. Blair Nov. 4th 1897 at 1 P. M. Book 14, Record of Mines, at page 383.

TERRITORY OF ARIZONA,

County of Cochise, SS:

I, Frank Hare, County Recorder in and for said county, hereby certify that I have compared the foregoing copy with the original Location Notice of the "Grand Prize" Mining Claim, filed and recorded in My office on the 4th day of November, 1897, in Book 14, Record of Mines, at page 383, and that the same is a full, true and correct copy of such original, and of the whole thereof.

Witness my hand and official seal this 8th day of August, 1904.

Frank Hare
County Recorder.

NOTICE OF MINING LOCATION.

TO ALL WHOM IT MAY CONCERN:

Notice is hereby given that the undersigned, having complied with all the requirements of Chapter XXXII of Title 6 of the Revised Statutes of the United States, and the local mining laws, rules and regulations, has this day located fifteen hundred (1500) linear feet of this vein or lode, bearing precious metals, with all dips, spurs, angles and variations, with surface ground three hundred (300) feet on each side of the center of vein, with all mineral deposits contained therein and all timber growing within the limits of said claim, and all water and water privileges thereon, or appurtenant thereto under and according to the provisions of the United States Mining laws under which it is located.

This claim commences at this monument and notice placed upon the ledge, and runs 750 feet in a Northerly direction and 750 feet in a southerly direction along the ledge. The exterior boundaries are as follows, to wit:

Commencing at a monument of stone at the center of the North end of claim; and running 300 feet in a Westerly direction to a monument of stone at the North West corner of claim; thence in a Southerly direction parallel with the ledge 1500 feet to a monument of stone at the South West corner of claim; thence at right angles across the ledge in a easterly direction 300 feet to a monument of stone at the South East corner of claim; thence parallel with the ledge in a Northerly direction 1500 feet to a monument of stone at the North East corner of claim; thence at right angles across the ledge in a Westerly direction 300 feet to a monument upon the ledge and place of beginning.

This ledge may be more generally described as situated partly on the South and partly on the Western slope of the round mountain which stands over the Mc Cormack Basin on the South side. Its South East corner is about 300 ft. North of where the White Tail Deer wagon road crosses the railroad Distance from Bisbee by railroad about 700 ft over three Miles in Warren Mining District, Cochise County, Territory of Arizona, and shall be known as the Ontario Mining Claim.

Dated on the ground this 19th day of July 1897.

Witness

Thomas Higgins.

S. R. ~~Price~~^{Pirce}, Locator

Ernest C. Barker, Locator

James D. Blair, Locator

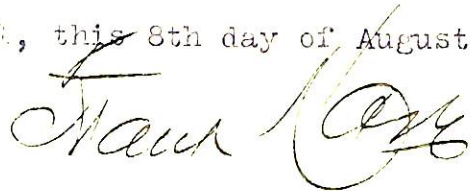
Filed and recorded at request of S. R. ~~Price~~^{Pirce}, Oct. 15th A. D. 1897, at 1-45 P. M. Book 14, record of Mines, at page 372.

TERRITORY OF ARIZONA,

County of Cochise, SS:

I, Frank Hare, County Recorder in and for said county, hereby certify that I have compared the foregoing copy with the original Location Notice of the Ontario Mining Claim, filed and recorded in my office on the 15th day of October, 1897, in Book 14, Record of Mines, at page 372, and that the same is a full, true and correct copy of such original, and of the whole thereof.

Witness my hand and official seal, this 8th day of August, 1904



County Recorder.

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.

Oct 22 - 1904

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 Estate of Sol Pierce, Deceased, Hereford & Hazzard, Attys.

known as the Ontario, Damit, Grand Prize and O.K.,

situate in Warren Mining District, Cochise County, Arizona.

in Section APPROX., Township No. 23 S., Range No. 24 E. G. & S.R.B. & M. designated as Survey No. 1879

executed by Franklin W. Smith, U. S. Deputy Mineral Surveyor, July 27th to Aug. 3rd 1904. 1904, under my instructions dated July 25th 1904. 1904, 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. A true copy of the copy of the location certificate filed by the applicant for survey is included in the field notes.

Frank Schuyler

U. S. Surveyor-General for Arizona.

SURVEY

AMEND
Scale 12

To U.S.M.M. No. 3.
N. 88° 27' W. 2432.0'

Uncle Sam.
Sur. No. 1394.

South Pole.
Sur. No. 1394.

Black
Sur. No.

ONTARIO

N. 3° 14' E. 981.8'

S. 2° 07' W. 1498.5'

Lillie
Sur. No. 1743.

Shaft
7x72x1000'

DAMIT

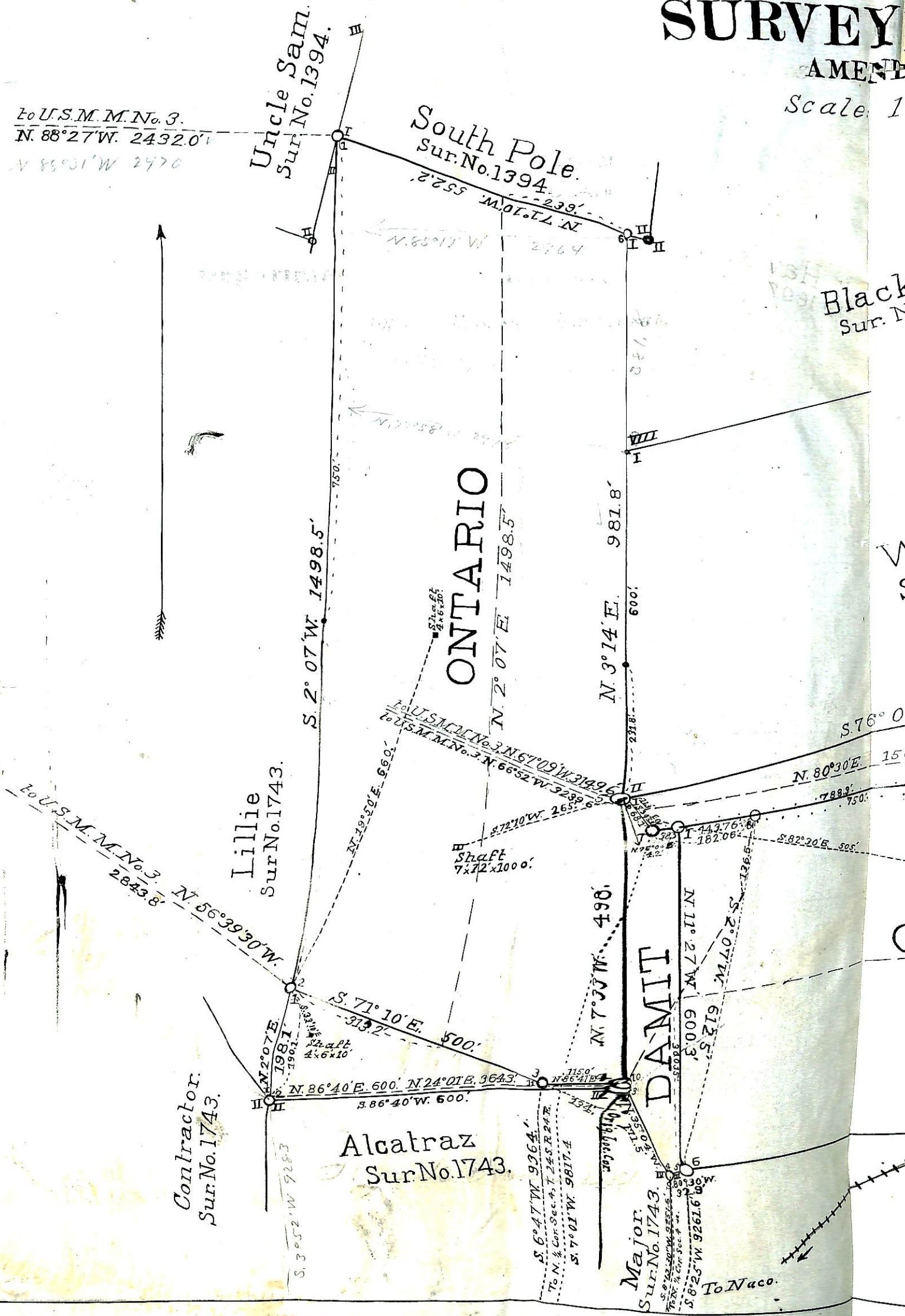
N. 7° 33' W. 496'

Alcatraz
Sur. No. 1743.

Contractor.
Sur. No. 1743.

Major.
Sur. No. 1743.

To Naco.



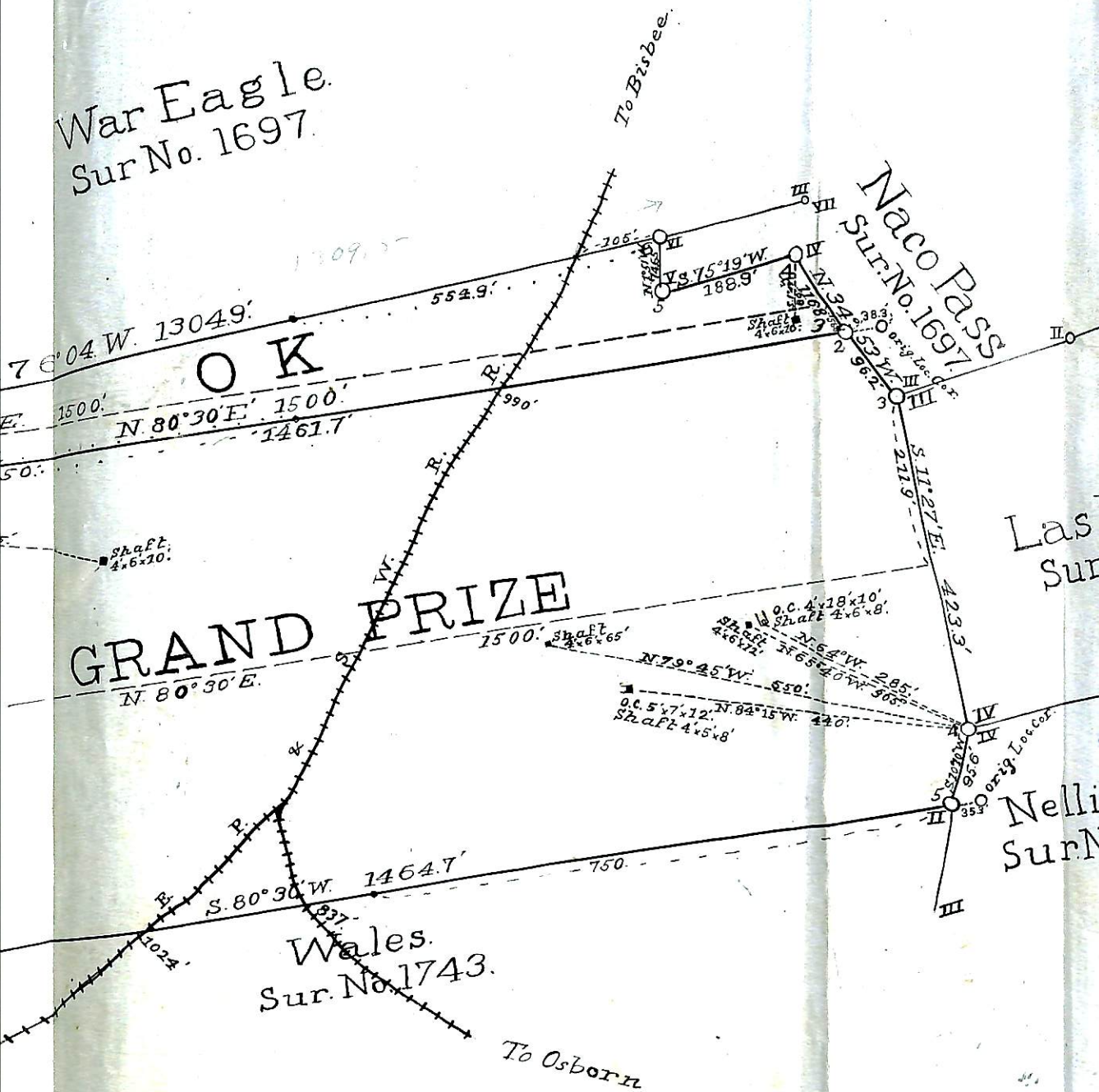
KEY NO. 1879

ME DDD

Scale 1 in = 200 ft.

Black Hawk.
Sur. No. 1697.

War Eagle.
Sur. No. 1697.



Last Chance
Sur. No. 1393.

Nellie
Sur. No. 1393.

Wales.
Sur. No. 1743.

Naco Pass
Sur. No. 1697.

GRAND PRIZE

OK

To Osborn

To Busbee

1485
1781
T-966

Contractor.
Sur.No.1743.

Lillie
Sur.No.1743.

Alcatraz
Sur.No.1743.

Major.
Sur.No.1743.

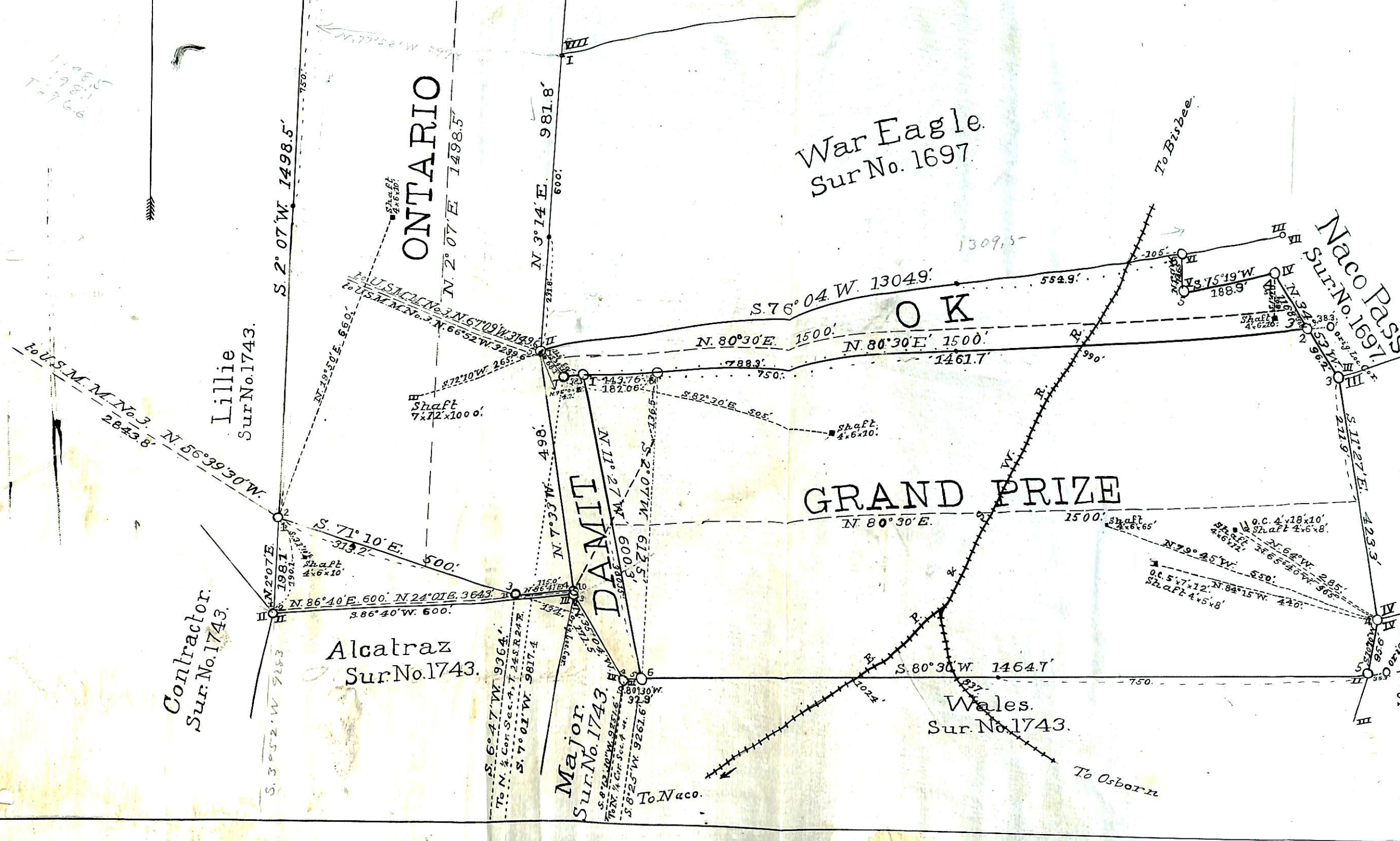
ONTARIO

War Eagle.
Sur.No.1697.

Naco Pass
Sur.No.1697.

GRAND PRIZE

Wales.
Sur.No.1743.



LARGE

FORMAT

