

JUL 20 1921

MINERAL SURVEY No. 3777

Arizona

Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Arthur H. Ives

KNOWN AS THE

IMPERIAL, IVANHOE NO. 1, IVANHOE NO. 2, IVANHOE NO. 3, IVANHOE NO. 4, IVANHOE NO. 5, IVANHOE NO. 6, IVANHOE NO. 7, IVANHOE NO. 8, IVANHOE NO. 9, COMMERCIAL NOS. 1,2,3,4,5,6 lodes. Wrightson Mining District,

Santa Cruz

County,

Arizona

Sections 34-35, Township 21 S., Range 15 E., Unsur.

Surveyed under instructions dated June 9, 19 21

by

T. N. Stevens

U. S. Mineral Surveyor.

Claim located See location notices, 19

Survey commenced June 13, 19 21

Survey completed June 30, 19 21

Address of claimant Duffy & Purdum, Attys., Nogales, Arizona.

DATES OF AMENDED LOCATIONS.

MINERAL SURVEY NO. 3777

Claims	M & B Desc.	Improvements	Loc. Notices
Commercial No.	Pg.	Pg.	Red Pg.
1	14	27	17
"	2	15	19
"	3	17	21
"	4	18	23
"	5	19	25
"	6	20	27
Imperial	1	22 <sup>1</sup> / <sub>2</sub>	1
Ivanhoe No. 1	2	23	3
"	2	23	5
"	3	25	7
"	4	25	9
"	5	25	11
"	6	26	12
"	7	26	13
"	8	26	14
"	9	26	16

## MINERAL SURVEY NO. 3777

Feet

IMPERIAL Lode

Beginning at Cor. No. 1 identical with loc. Mon.  
An iron pipe 1 in. diam. with brass cap 2 ins. sq. on  
top, 18 ins. above ground, set 18 ins. in the ground,  
stamped with cross (X) 1-IMP-3777, with md of stone  $3\frac{1}{2}$   
ft base by 3 ft high alongside; whence U. S. L. M. No. 3777  
brs S.  $3^{\circ}42'$  E. 4102.6 ft.

No other bearings are available.

Thence N.  $15^{\circ}18'$  W.  
Va.  $13^{\circ}30'$  E.

300 To E. end Center.

An oak post 4 ins. diam. by 4 ft. high, set firmly  
in the ground and surrounded with md. of stone  $3\frac{1}{2}$  ft base  
by 3 ft high, Scribed E. Cr. IMP.

600 To Cor. No. 2. An iron pipe 1 in. diam with brass cap  
2 ins. sq. on top 18 ins. above ground set 18 ins. in  
the ground; stamped with cross (X) 2-IMP-3777 with md. of  
stone  $3\frac{1}{2}$  ft. base by 3 ft. high alongside.

Loc. Mon. brs. N.  $15^{\circ}18'$  W. 102.6 ft.

No other bearings are available.

Thence S  $83^{\circ}43'$  W.  
Va.  $13^{\circ}30'$  E.

175 Gulch brs southerly.

1300 Gulch brs southeasterly.

1500 To Cor. No. 3. An iron pipe 1 in. diam with brass cap  
2 ins. sq. on top, 18 ins. above ground, Stamped with  
cross (X) 3-IMP-3777, with md of stone  $3\frac{1}{2}$  ft base by 3  
ft high alongside.

Loc. Mon. brs N.  $71^{\circ}$  W 21.5 ft

An oak tree 12 ins. diam. brs N.  $81^{\circ}$  W. 17.4 ft.  
blazed and scribed 3-3777 BT.

No other bearings are available.

Thence S  $15^{\circ}18'$  E.  
Va.  $13^{\circ}30'$  E.

300 To W. end Center. An oak post 4 ins. diam. by 4 ft. high  
set firmly in the ground and surrounded with md. of stone

## MINERAL SURVEY NO. 3777

Feet

IMPERIAL Lode, Cont'd

600.  $3\frac{1}{2}$  ft. base by 3 ft. high. Scribed W. Cr. IMP  
To Cor. No. 4.
- An iron pipe 1 in. diam with brass cap 2 ins. sq. on top 18 ins. above ground, set 18 ins. in the ground; stamped with cross (X) 4-IMP-3777, with md. of stone  $3\frac{1}{2}$  ft. base by 3 ft. high alongside.
- Loc.Mon. brs S.  $83^{\circ} 43'$  W. 69.2 ft.
- An oak tree 12 ins. diam. brs. N.  $17^{\circ} 13'$  W 12 ft blazed and scribed 4-3777 BT.
- No other bearings are available.
- Thence N.  $83^{\circ} 43'$  E.  
Va.  $13^{\circ} 30'$  E.
- 310 Gulch brs easterly.
- 360 Gulch brs southeasterly.
- 668.84 To Cor. No. 3 Ivanhoe No. 9 lode of this Sur. hereinafter described.
- 968.84 To N. end Center Ivanhoe No. 9 lode of this Sur. hereinafter described.
- 1073.84 Pipe line brs. southwesterly.
- 1118.84 Gulch brs. southerly.
- 1268.84 To Cor. No. 4, Ivanhoe No. 9 lode of this Sur., hereinafter described.
- 1500 To Cor. No. 1, the place of beginning.

IVANHOE NO. 1 Lode.

- Beginning at Cor. No. 1, identical with Loc.Mon.
- An iron pipe, 1 in. diam. with brass cap 2 ins. sq. on top, 18 ins. above ground, set 18 ins. in the ground; stamped with Cross (X) 1-I No. 1-3777, with md. of stone  $3\frac{1}{2}$  ft. base by 3 ft. high alongside; whence U S L M No. 3777 brs. N.  $22^{\circ} 22' 30''$  W. 260.96 ft.

No other bearings are available.

Thence S  $59^{\circ} 42'$  W

Va.  $13^{\circ} 30'$  E.

MINERAL SURVEY NO. 3777

Feet

IVANHOE NO.1.Lode Cont'd

287.05 To S. end Center. An oak post 4 ins. diam. by 4 ft. high, set firmly in the ground and surrounded with md. of stone 3 1/2 ft base by 3 ft high; Scribed S.Cr.I No.1.

587.05 To Cor. No. 2. Identical with Loc. Mon. and Cor. No.1 Ivanhoe No. 5 lode of this Sur.

An iron pipe 1 in. diam. with brass cap 2 ins. sq. on top, 18 ins. above ground set 18 ins. in ground Stamped with cross (X) 2-I No.1, 1-I No.5-3777, with md of stone 3 1/2 ft base by 3 ft high alongside.

No bearings are available.

Thence N. 30° 18' W.  
Va. 13° 30' E.

300 To E. end Center Ivanhoe No. 5 lode of this Sur. hereinafter described.

600 To Cor. No.3. Identical with loc. mon. and Cor. Nos. 2 and 1, Ivanhoe Nos. 5 and 6 lodes respectively, of this Sur., on line 4-1 Ivanhoe No. 2 lode of this Sur.

An iron pipe 1 in. diam with brass cap 2 ins. sq on top, 18 ins above ground, set 18 ins. in the ground, Stamped with cross (X) 3 I No.1, 2 I No.5, 1I No.6-3777 with md. of stone 3 1/2 ft. base by 3 ft. high alongside.

No bearings are available.

Thence N. 59° 42' E.  
Va. 13° 30' E.

300 To N. end Center. An oak post 4 ins. diam. by 4 ft. high, set firmly in the ground and surrounded with md. of stone 3 1/2 ft. base by 3 ft. high; scribed N. Cr.I No.1.

587.05 To Cor. No. 4. An iron pipe 1 in. diam. with brass cap 2 ins. sq. on top, 18 ins. above ground, set 18 ins in ground, Stamped with Cross (X) 4 I.No.1-3777, with md. of stone 3 1/2 ft. base by 3 ft. high alongside.

No bearings are available.

Thence S. 30° 18' E  
Va. 13° 30' E.

## MINERAL SURVEY NO. 3777

Feet

IVANHOE No. 1 Lode  
Cont'd

- 261.58 To Cor. No. 1, Ivanhoe No. 7 lode of this Sur. hereinafter described, on line 4-1 Ivanhoe No. 2 lode of this Sur.
- 590.01 To Cor. No. 4, Ivanhoe No. 7 lode of this Sur. hereinafter described.
- 600 To Cor. No. 1, the place of beginning.

IVANHOE NO. 2 Lode.

Beginning at Cor. No. 1, Identical with Cor. No. 2, Ivanhoe No. 7 lode and W. end Center Commercial No. 3 lode, both of this Sur.

An iron pipe 1 in. diam. with brass cap 2 ins. sq. on top, 18 ins. above ground, set 18 ins. in ground Stamped with Cross (X) 1-I No. 2, 2-I No. 7 and W. Cr. C. No. 3, with md of stone  $3\frac{1}{2}$  ft base by 3 ft high alongside; whence U S L M No. 3777 brs S  $72^{\circ}46'$  W. 259.29 ft.

No other bearings are available.

Thence N.  $6^{\circ}17'$  W  
Va.  $13^{\circ}30'$  E.

- 300 - To E. end Center. Identical with Cor. Nos. 1 and 2, Commercial No. 1 and Commercial No. 3 lodes respectively of this Sur.

An iron pipe 1 in. diam. with brass cap. 2 ins. sq. on top, 18 ins. above ground set 18 ins. in ground, Stamped with Cross (X) E. Cr. I. No. 2 and 1 C. No. 1, 2 C. No. 3-3777, with md. of stone  $3\frac{1}{2}$  ft. base by 3 ft. high alongside. No bearings are available.

- 400 Gulch brs Southeasterly.

- 600 To Cor. No. 2, Identical with Cor. No. 1 Ivanhoe No. 3 lode and W. Cr. Commercial No. 1 lode, both of this Sur.

An iron pipe 1 in. diam. with brass cap 2 ins. sq. on top 18 ins. above ground, set 18 ins in ground, Stamped with cross (X) 2 - I No. 2, 1 - I No. 3 and W. Cr.

MINERAL SURVEY NO. 3777

Feet

IVANHOE NO. 2 Lode.

C.No.1 - 3777, with md. of stone 3½ ft. base by 3 ft. high alongside.

No bearings are available.

Thence S 83° 43' W.

Va. 13° 30' E.

1162.65 Pipe line brs. Southeasterly.

1482.65 To Cor. No. 3. Identical with Cor. No. 4, Ivanhoe No.3 lode of this Sur.

An iron pipe 1 in. diam. with brass cap 2 ins. sq. on top, 18 ins. above-ground, set 18 ins. in ground, Stamped with cross (X) 3 I No.2 and 4 I No.3 - 3777, with md. of stone 3½ ft. base by 3 ft. high alongside.

No bearings are available.

Thence S. 6° 17' E.  
Va. 13° 30' E.

176.65 Intersect Line 2-3 Ivanhoe No.6 lode of this Sur.

300 To W. end Center. An oak post 4 ins. diam by 4 ft high set firmly in the ground and surrounded with md of stone 3½ ft base by 3 ft high. Scribed W Cr. I No.2.

600 To Cor. No.4 Identical with Loc. Mon. An iron pipe 1 in. diam. with brass cap 2 ins. sq. on top, 18 ins. above the ground, set 18 ins. in the ground; Stamped with Cross (X) 4 - I No.2 - 3777. with md. of stone 3½ ft. base by 3 ft high alongside.

No bearings are available

Thence N 83° 43' E.  
Va. 13° 30' E.

524.05 To Cor. Nos. 1-2 and 3 Ivanhoe Nos. 6-5 and 1 lodes, respectively of this Sur. heretofore described.

1166.74 To Cor. No.1 Ivanhoe No.7 lode, this survey, and intersect line 4-1 Ivanhoe No.1 lode of this Sur., S 30° 18' E

1482.65 To Cor. No. 1, the place of beginning.

IVANHOE NO. 3 Lode.

Beginning at Cor. No. 1. Identical with Cor. No. 2 Ivanhoe No. 2 lode and W. end Center Commercial No. (1)

## MINERAL SURVEY NO. 3777

Feet

IVANHOE NO.3 Lode  
Cont'd.

lodes both of this Survey heretofore described; whence  
U S L M No.3777 brs S. 15° 07' 30" W. 697.48 ft.

Thence N. 6° 17' W.  
Va. 13° 30' E.

300 To E. end Center, identical with Cor. Nos. 1 and 2,  
Commercial No.6 and Commercial No.(1) lodes respectively  
of this Sur. An iron pipe 1 in. diam.with brass.cap.  
2 ins. sq. on top, 18 ins. above ground, set 18 ins.  
in the ground, stamped with Cross (X) E. Cr. I No.3,  
1 C No. 6, 2 C No.2 - 3777, with md. of stone 3½ ft. base  
by 3 ft high alongside.

No bearings are available.

600 To Cor. No.2. Identical with Cor.No. 1, Ivanhoe No.(4)  
lode and W. end Center Commercial No.6 lode, both of this  
Sur.

An iron pipe 1 in. diam.with brass cap 2 ins.  
sq. on top, 18 ins. above ground, set 18 ins. in the  
ground. Stamped with cross (X) 2-I No.3, 1-I No.4, W.  
Cr. C. No.6 - 3777, with md. of stone 3½ ft. base by 3 ft  
high alongside.

No bearings are available.

Thence S 83° 43' W.  
Va. 13° 30' -E.

1332.65 Pipe line brs. southeasterly.

1482.65 To Cor. No.3, Identical with Cor. No.4, Ivanhoe No.4  
lode of this Sur.

An iron pipe 1 in. diam.with brass cap 2 ins.  
sq. on top, 18 ins. above ground, set 18 ins. in the  
ground, stamped with a cross (X) 3-I No.3, 4 I No.4-  
3777, with md. of stone 3½ ft. base by 3 ft high along-  
side.

An oak tree 8 ins. diam. brs N 41° 15' W.6.8 ft.

Blazed and scribed 3-4-3777 BT.



## MINERAL SURVEY NO. 3777

Feet

IVANHOE NO. 3 Lode Cont'd

No other bearings are available.

Thence S 6° 17' E.

Va. 13° 30' E.

300 To W. end Center. An oak post 4 ins. diam. by 4 ft. high set firmly in the ground and surrounded with md of stone 3½ ft base by 3 ft high, scribed W. Cr. I No. 3.

400 Gulch brs. Southwesterly.

600 To Cor. No. 4. Identical with Cor. No. 3, Ivanhoe No. 2 lode of this Sur. heretofore described.

Thence N. 83° 43' E

Va. 13° 30' E.

320 Pipe line brs Southeasterly.

1482.65 To Cor. No. 1, the place of beginning.

IVANHOE NO. 4 Lode

Beginning at Cor. No. 1. Identical with Cor. No. 2, Ivanhoe No. 3 lode, and W. end Center Commercial No. 6 lodes, both of this Sur. heretofore described.

Whence U S L M No. 3777 brs S 5° 14' W, 1274.7 ft.

Thence N. 6° 17' W

Va. 13° 30' E

300 To E. end center. Identical with Cor. No. 2, Commercial No. 6 lode of this Sur. An iron pipe 1 in. diam. with brass cap 2 ins. sq on top 18 ins. above ground, set 18 ins. in the ground; stamped with Cross (X) E. Cr. I No. 4, 2-C No. 6 - 3777 with md. of stone 3½ ft base by 3 ft high alongside.

No bearings are available.

600 To Cor. No. 2. Identical with Loc. Mon. An iron pipe 1 in. diam. with brass cap 2 ins. sq on top, 18 ins. above ground, set 18 ins. in the ground, stamped with Cross (X) 2-I No. 4-3777, with md of stone 3½ ft base by 3 ft high alongside.

No bearings are available.

MINERAL SURVEY NO. 3777

Feet

IVANHOE NO. 4. Lode Cont'd.

Thence S 83° 43' W.  
Va. 13° 30' E.

- 400 Gulch Brs northerly.
- 882.65 To Cor. No. 1, Ivanhoe No.8 lode of this Sur. hereinafter described.
- 1182.65 To S. end Center Ivanhoe No.8 lode of this Sur. hereinafter described.
- 1357.65 Pipe line brs Southerly.
- 1482.65 To Cor. No.3 Identical with Cor. No.2, Ivanhoe No.8 lode of this Sur. An iron pipe 1 in. diam. with brass cap 2 ins. sq. on top, 18 ins. above ground, set 18 ins. in the ground stamped with cross (X) 3-I No.4, 2-I No.8 3777, with md. of stone 3½ ft. base by 3 ft. high alongside.

No bearings are available.

Thence S 6° 17' E  
Va. 13° 30' E.

- 300 To W. end Center. An oak post 4 ins. diam by 4 ft high set firmly in the ground and surrounded with md of stone 3½ ft base by 3 ft high; scribed W.Cr. I No.4.
- 600 To Cor. No.4. Identical with Cor. No.3, Ivanhoe No.(3) lode of this Sur. heretofore described.

Thence N. 83° 43' E.  
Va. 13° 30' E.

- 150 Pipe line brs. Southeasterly.
- ~~1500~~ To Cor. No.1, the place of beginning.

IVANHOE NO. 5 Lode

Beginning at Cor. No.1, Identical with Cor. No.2 Ivanhoe No. (1) lode of this Sur. heretofore described, whence U S L M No. 3777 brs N. 36° 23' E. 678.4 ft.

Thence N. 30° 18' W  
Va. 13° 30' E.

- 300 To E. end Center. An oak post 4 ins. diam by 4 ft high, set firmly in the ground and surrounded with md. of stone 3½ ft base by 3 ft high; scribed E Cr. I No.5.

MINERAL SURVEY NO. 3777

Feet

IVANHOE NO. 5 Lode Cont'd.

600 To Cor. No. 2, identical with Cor. Nos. 1 and 3, Ivanhoe No. 6 and Ivanhoe No. (1) lodes respectively of this Sur. heretofore described, and on line 4-1 Ivanhoe No. 2 lode of this Sur.

Thence S 59° 42' W

Va. 13° 30' E.

1140 Gulch and Road br. southerly.

1349.74 To Cor. No. 3. Identical with Cor. No. 4. Ivanhoe No. 6 lode of this Sur.

An iron pipe 1 in. diam with brass cap 2 ins. sq. on top 18 ins. above ground, set 18 ins. in the ground; stamped with Cross (X) 3-I No. 5, 4-I No. 6-3777, with md. of stone 3½ ft. base by 3 ft. high alongside.

No bearings are available.

Thence S 30° 18' E

Va. 13° 30' E.

70 Gulch and road br. southwesterly.

300 To W. end Center. An oak post 4 ins. diam by 4 ft. high, set firmly in the ground and surrounded with md. of stone 3½ ft. base by 3 ft. high; scribed W. Cr. I No. 5.

600 To Cor. No. 4. An iron pipe 1 in. diam. with brass cap 2 ins. sq. on top, 18 ins. above ground, set 18 ins. in ground, stamped with Cross (X) 4-I. No. 5-3777, with md. of stone 3½ ft. base by 3 ft. high alongside.

No bearings are available.

Thence N. 59° 42' E.

Va. 13° 30' E.

150 Gulch brs. northerly.

1349.74 To Cor. No. 1, the place of beginning.

IVANHOE NO. 6 Lode.

Beginning at Cor. No. 1, Identical with Cor. Nos. 2 and 3 Ivanhoe No. 5 and Ivanhoe No. (1) lodes, respectively, and on line 4-1 Ivanhoe No. 2 lode of this Sur.

N. 83° 43' E. 524.05 ft. from Cor. No. 4

heretofore described, whence U S L M No. 3777 brs.

## MINERAL SURVEY NO. 3777

Feet

IVANHOE NO. 6 Lode, Cont'd.

- N. 87° 43' E. 705.75 ft.
- Thence N. 30° 18' W  
Va. 13° 30' E.
- 300 To E. end Center. An oak post 4 ins. diam. by 4 ft high set firmly in the ground and surrounded with md of stone 3½ ft base by 3 ft high; scribed E Cr. I. No. 6
- 600 To Cor. No. 2. An iron pipe 1 in. diam with brass cap 2 ins. sq. on top, 18 ins. above ground, set 18 ins. in the ground, stamped with Cross (X) 2-I No. 6-3777, with md. of stone 3½ ft base by 3 ft high alongside.
- No bearings are available.
- Thence S 59° 42' W.  
Va. 13° 30' E.
- 306.36 Intersect line 3-4 Ivanhoe No. 2 lode of this Sur, N. 6° 17' W. 423.35 ft. from Cor. No. 4.
- 900 Gulch brs. southwesterly.
- 1349.74 To Cor. No. 3. An iron pipe 1 in. diam. with brass cap 2 ins. sq. on top, 18 ins. above ground, set 18 ins. in ground stamped with Cross (X) 3-I No. 6-3777; with md. of stone 3½ ft base by 3 ft high alongside.
- Loc. Mon. brs N 30° 18' W. 36 ft.
- An oak tree 12 ins. diam. brs. N. 59° 30' E 1.8 ft  
Blazed and scribed 3-3777 BT.
- Thence S 30° 18' E.  
Va. 13° 30' E.
- 300 To W. end Center. An oak post 4 ins. diam. by 4 ft high set firmly in the ground and surrounded with md. of stone 3½ ft. base by 3 ft. high; Scribed W Cr. I No. 6.
- 600 To Cor. No. 4. Identical with Cor. No. 3 Ivanhoe No. (5) lode of this Sur. heretofore described.
- Thence N 59° 42' E  
Va. 13° 30' E.
- 209.74 Gulch and Road brs southerly.
- 1349.74 To Cor. No. 1, the place of beginning.

## MINERAL SURVEY NO. 3777

Feet

IVANHOE NO. 7 Lode.

Beginning at Cor. No.1 Identical with Loc. Mon. on line 4-1 Ivanhoe No.1 lode, and on line 4-1 Ivanhoe No. 2 lode, both of this Sur.

A porphyry rock 8 X 10 X 8 ins. above ground, set 12 ins. in the ground, chiseled with cross (X)

1-I No.7-3777, with md. of stone  $3\frac{1}{2}$  ft. base by 3 ft. high alongside, whence U S L M No. 3777 brs S  $57^{\circ}31'$  E.78.67 ft. No other bearings are available.

Thence N.  $83^{\circ}43'$  E.

Va.  $13^{\circ}30'$  E.

175.91 to N. end Center. An oak post 4 ins. diam. by 4 ft. high set firmly in the ground and surrounded with md. of stone  $3\frac{1}{2}$  ft. base by 3 ft. high, scribed N. Cr I. No.7.

315.91 To Cor. No.2. Identical with Cor. No. 1 Ivanhoe No.2 lode and W. end Center Commercial No.3 lode, both of this Sur, heretofore described.

Thence S  $6^{\circ}17'$  E

Va.  $13^{\circ}30'$  E

300 To Cor. No.3, identical with Cor. No. 1, Commercial No.3 lode of this Sur. An iron pipe 1 in. diam. with brass cap 2 ins. sq. on top, 18 ins. above ground, set 18 ins. in ground, stamped with Cross (X) 3-I No.7; 1-C No.3 - 3777, with md. of stone  $3\frac{1}{2}$  ft. base by 3 ft. high alongside.

No bearings are available.

Thence S  $83^{\circ}43'$  W

Va.  $13^{\circ}30'$  E.

140 To S. end Center. An oak post 4 ins. diam. by 4 ft. high set firmly in the ground and surrounded with md. of stone  $3\frac{1}{2}$  ft. base by 3 ft. high.

182.24 To Cor. No.4. On line 4-1, Ivanhoe No. 1 lode of this Sur., <sup>9.99 ft. from Cor. No.1</sup> An iron pipe 1 in. diam. with brass cap 2 ins. sq. on top, 18 ins. above ground, set 18 ins. in ground, stamped with Cross (X) 4-I No.7-3777, with md. of stone  $3\frac{1}{2}$  ft. base by 3 ft. high alongside.

## MINERAL SURVEY NO. 3777

Feet

IVANHOE No.7 Lode Cont'd.

No bearings are available.

Thence N 30° 18' W  
Va. 13° 30' E.

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

IVANHOE NO. 8 Lode.

Beginning at Cor. No. 1 on line 2-3, Ivanhoe No.4 lode of this Sur.

An iron pipe 1 in. diam with brass cap 2 ins. sq. on top, 18 ins. above ground, set 18 ins. in the ground, Stamped with Cross (X) 1-I No.8-3777, with md of stone 3½ ft base by 3 ft high alongside, whence U S L M No. 3777 brs S 25° 02' 30" E, 1953.07 ft. An oak tree 14

ins. diam brs N. 68° 15' W. 9.5 ft.

No other bearings are available.

Thence S 83° 43' W  
Va. 13° 30' E,

300 To S. end Center. An oak post 4 ins. diam. by 4 ft. high

set firmly in the ground and surrounded with md. of stone 3½ ft. base by 3 ft. high, Scribed S Cr. I No.8.

475 Pipe line brs southerly.

600 To Cor. No.2; identical with Cor. No. 3 Ivanhoe No.4

lode of this Sur. heretofore described.

Thence N 8° 13' E  
Va. 13° 30' E.

570 Gulch brs westerly.

1487.52 To Cor. No.3, identical with Cor. No.2 Ivanhoe No.9

lode of this Sur. An iron pipe 1 in. diam. with brass cap 2 ins. sq. on top 18 ins. above ground, set 18 ins.

in ground, stamped with Cross (X) 3-I No.8; 2-I No.9-3777, with md. of stone 3½ ft base by 3 ft high alongside.

No bearings are available.

Thence N. 83° 43' E.  
Va. 13° 30' E.

2298 Pipe line brs northerly.

## MINERAL SURVEY NO. 3777

Feet

## IVANHOE No. 8 Lode Cont'd.

- 300 To N. end center, identical with S. end Center, Ivanhoe No.9 lode of this Sur. An oak post 4 ins. diam by 4 ft high set firmly in the ground and surrounded with md of stone  $3\frac{1}{2}$  ft base by 3 ft high; scribed N. Cr.I. No.8 and S Cr. I No.9.
- 499.8 To Cor. No.4; Identical with Cor. No.1 Ivanhoe No.9 lode of this Sur.  
An iron pipe 1 in. diam.with brass cap 2 ins. sq. on top , 18 ins. above ground, set 18 ins. in the ground Stamped with a Cross (X) 4-I No.8; 1-I No.9 - 3777, with md. of stone  $3\frac{1}{2}$  ft base by 3 ft. high alongside.  
No bearings are available.  
Thence S  $4^{\circ} 25' 17''$  W.  
Va.  $13^{\circ} 30'$  E.
1000. Gulch brs. easterly.
- 1465.67 To Cor. No.1, the place of beginning.
- IVANHOE NO. 9 Lode.
- Beginning at Cor. No. 1, identical with Cor. No. 4, Ivanhoe No.8 lode of this Sur. heretofore described; whence U S L M No. 3777 brs S  $12^{\circ} 27' 30''$  E. 3308.3 ft.  
Thence S  $83^{\circ} 43'$  W.  
Va,  $13^{\circ} 30'$  E.
- 199.8 To S. end Center, identical with N. end Center Ivanhoe No. 8 lode of this Sur. heretofore described.
- 270 Pipe line brs Southerly.
- 499.8 To Cor. No. 2. Identical with Cor. No. 3 Ivanhoe No.8 lode of this Sur heretofore described.  
Thence N  $8^{\circ} 13'$  E  
Va.  $13^{\circ} 30'$  E.
- 760 Gulch brs southeasterly.
- 836.7 To Cor. No.3, . on line 4-1 Imperial lode of this Sur.  
An iron pipe 1 in. diam.with brass cap 2 ins. sq on top 18 ins. above ground, set 18 ins. in the ground; stamped with cross (X) 3-I No.9-3777 with md of stone  $3\frac{1}{2}$  ft base by 3 ft high alongside.

## MINERAL SURVEY No. 3777

Feet

IVANHOE NO.9 Lode Cont'd.

- An oak tree 10 ins. diam. brs N 85° 15' W 32 ft.  
 No other bearings are available  
 Thence N 83° 43' E  
 Va. 13° 30' E.
- 300 To N. end Center. An oak post 4 ins. diam. by 4 ft high set firmly in the ground and surrounded with md of stone 3½ ft base by 3 ft high, Scribed N. Cr. I No.9.
- 405 Pipe line brs. northeasterly.
- 450 Gulch brs southerly.
- 600 To Cor. No.4. An iron pipe 1 in. diam. with brass cap 2 ins. sq. on top, 18 ins. above ground, set 18 ins. in the ground; stamped with Cross (X) 4-I No.9-3777 with md. of stone 3½ ft. base by 3 ft. high alongside.  
 No bearings are available.  
 Thence S 14° 38' 20" W  
 Va. 13° 30' E.
- 350 Gulch brs southeasterly.
- 480 Gulch brs southeasterly.
- 867.26 To Cor. No. 1, the place of beginning.

COMMERCIAL No. (1) lode.

Beginning at Cor. No. 1, identical with Cor. No.2, Commercial No.3 lode and E. end Center Ivanhoe No.2 lode both of this Sur. heretofore described, whence U S L M No.3777 brs S 29° 48' W. 432.22 ft.

- Thence N. 6° 17' W  
 Va. 13° 30' E.
- 100 Gulch brs southeasterly.
- 300 To W. end Center identical with Cor. Nos 1 and 2 Ivanhoe No. 3 and Ivanhoe No. 2 lodes respectively of this Sur. heretofore described.
- 600 To Cor. No.2 Identical with Cor. No.1 Commercial No.6 lode and E. end Center Ivanhoe No.3 lode, both of this Sur. heretofore described.  
 Thence N. 58° 10' E.  
 Va. 13° 30' E.



MINERAL SURVEY NO. 3777

Feet

COMMERCIAL NO. 1 Lode Cont'd.

1496.27 To Cor. No. 3. Identical with Cor. Nos. 3-4 and 4 Commercial Nos. 2, 5 and 6 lodes, respectively, of this Sur. An iron pipe 1 in. diam. with brass cap 2 ins. sq., on top, 18 ins. above ground, set 18 ins. in the ground, stamped with cross (X) 3-C No. 1, 3-C No. 2, 4-C No. 5 and 4-C. No. 4 - 3777, with md of stone 3 1/2 ft base by 3 ft high alongside.

No bearings are available.

Thence S 6° 17' E

Va. 13° 30' E

300 To E. end Center; identical with W end Center Commercial No. 2 lode of this Sur. An oak post 4 ins. diam. by 4 ft high, set firmly in the ground and surrounded with md of stone 3 1/2 ft base by 3 ft high scribed E Cr. C. No. 1 and W. Cr. C. No. 2.

600 To Cor. No. 4; Identical with Cor. Nos. 3-4 and 4, Commercial Nos. 4, 2, and 1 lodes respectively of this Sur. An iron pipe 1 in. diam. with brass cap 2 ins. sq. on top, 18 ins. above ground, set 18 ins. in the ground; stamped with Cross (X) 3-C. No. 3, 3-C. No. 4, 4-C. No. 2 and 4-C No. 1 - 3777, with md of stone 3 1/2 ft base by 3 ft high alongside.

No bearings are available.

Thence S. 58° 10' W.

Va. 13° 30' E.

290 Gulch brs. southeasterly.  
 1436.27 Gulch brs. southeasterly.

1496.27 To Cor. No. 1, the place of beginning.

COMMERCIAL NO. 2 Lode.

Beginning at Cor. No. 1, Identical with Cor. No. 2, Commercial No. 4 lode of this Sur.

An iron pipe 1 in. diam with brass cap 2 ins. sq. on top. 18 ins. above ground, set 18 ins. in ground,

MINERAL SURVEY NO. 3777

Feet

COMMERCIAL NO. 2 Lode Cont'd.

Stamped with Cross (X) 1-C No. 2, 2-C No. 4-3777, with  
 md of stone  $3\frac{1}{2}$  ft base by 3 ft high alongside; whence  
 the Cor. to Tps 21 and 22 S. R. 15 and 16 E. G & S  
 R. M. brs S  $73^{\circ} 14'$  E. 10203.0 ft. Loc. Mon. brs N  $61^{\circ} 31'$   
 E. 38 ft. No other bearings are available.

Thence N.  $6^{\circ} 17'$  W.  
 Va.  $13^{\circ} 30'$  E.

300 To E end Center. An oak post 4 ins. diam by 4 ft high  
 set firmly in the ground and surrounded with md of stone  
 $3\frac{1}{2}$  ft base by 3 ft high; Scribed E. Cr. C. No. 2.

600 To Cor. No. 2, identical with Cor. No. 1, Commercial No. 5  
 lode of this Sur.

An iron pipe 1 in. in diam with brass cap 2 ins  
 sq. on top, 18 ins. above ground, set 18 ins. in ground,  
 Stamped with Cross (X) 2-C No. 2; 1-C No. 5-3777, with md.  
 of stone  $3\frac{1}{2}$  ft base by 3 ft high alongside. Loc. Mon  
 brs N  $61^{\circ} 31'$  E. 38 ft. No other bearings are available.

Thence S  $61^{\circ} 31'$  W  
 Va.  $13^{\circ} 30'$  E.

300 Gulch brs southerly.

1500 To Cor. No. 3, identical with Cor. Nos. 3-4 and 4 Com-  
 mercial Nos. (1), 6 and 5 lodes respectively of this  
 Sur. heretofore described.

Thence S  $6^{\circ} 17'$  E  
 Va.  $13^{\circ} 30'$  E.

300 To W. end Center, identical with E. end Center, Com-  
 mercial No. (1) lode of this Sur. heretofore described.

600 To Cor. No. 4, identical with Cor. Nos. 4-3 and 3,  
 Commercial Nos. (1), 3 and 4 lodes respectively of this  
 Sur. heretofore described.

Thence N.  $61^{\circ} 31'$  E.  
 Va.  $13^{\circ} 30'$  E.

1190 Gulch brs. southeasterly.

## MINERAL SURVEY NO. 3777

Feet

COMMERCIAL NO. 2 Lode Cont'd.

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

COMMERCIAL NO. 3 Lode

Beginning at Cor. No. 1, identical with Cor. No. 3, Ivanhoe No.7 lode of this Sur heretofore described; whence U S L M No.3777 brs N. 51° 43' W. 357.32 ft.

Thence N. 6° 17' W  
Va. 13° 30' E.

300 To W. end Center, identical with Cor. Nos. 1 and 2 Ivanhoe Nos 2 and 7 lodes respectively of this Sur. heretofore described.

600 To Cor. No.2, identical with Cor. No.1, Commercial No.(1) and E end Center, Ivanhoe No.2 lodes of this Sur. heretofore described.

Thence N. 58° 10' E  
Va. 13° 30' E.

60 Gulch brs southeasterly.

1206.27 Gulch brs southeasterly.

1496.27 To Cor. No.3, identical with Cor. Nos. 4, 4 and 3 Commercial Nos. (1), 2 and 4 lodes respectively of this Sur. heretofore described.

Thence S 6° 17' E  
Va. 13° 30' E.

300 To E. end Center, Identical with W. end Center Commercial No. 4 lode of this Sur. An oak post 4 ins. diam by 4 ft high, set firmly in the ground and surrounded with md. of stone 3½ ft. base by 3 ft high, scribed E Cr. C. No.3 and W. Cr. Commercial No.4.

600 To Cor. No.4, identical with Cor. No.4, Commercial No.4 lode of this Sur. An iron pipe 1 in. diam. with brass cap 2 ins. sq. on top 18 ins. above ground, set 18 ins. in ground, stamped with Cross (X) 4-C No.3, 4-C No.4, with md of stone 3½ ft base by 3 ft high alongside.

An oak tree 12 ins. diam. brs N. 50° W 27.4 ft.

No other bearings are available.

## MINERAL SURVEY NO. 3777

Feet

COMMERCIAL NO. 3 Lode Cont'd

Thence S 58° 10' W  
Va. 13° 30' E.

- 250 Gulch brs southwesterly.  
1196 Gulch brs southeasterly.  
1496.27 To Cor. No.1, the place of beginning.

COMMERCIAL NO. 4 Lode

Beginning at Cor. No. 1.

An iron pipe 1 in. diam. with brass cap 2 ins. sq on top, 18 ins. above ground, set 18 ins. in ground, stamped with cross (X) 1-C No.4-3777, with md of stone 3½ ft base by 3 ft high alongside. Whence the Cor. to Tps 21 and 22 S., R. 15 and 16 E. brs S.76° 24' 15" E. 9983.39 ft. Loc. Mon. brs N.61° 31' E. 38.5 ft.

No other bearings are available.

Thence N. 6° 17' W.  
Va. 13° 30' E.

- 300 To E. end Center. An oak post 4 ins. diam. by 4 ft high, set firmly in the ground and surrounded with md of stone 3½ ft base by 3 ft high; Scribed E Cr. C.No. 4.

- 600 To Cor. No. 2. Identical with Cor. No.1, Commercial No.2 lode of this Sur. heretofore described.

Thence S 61° 31' W.  
Va. 13° 30' E.

- 310 Gulch brs southeasterly.  
1500 To Cor. No. 3, identical with Cor. Nos. 3, 4, and 4 Commercial Nos. 3, (1) and 2 lodes respectively, of this Sur. heretofore described.

Thence S 6° 17' E  
Va. 13° 30' E.

- 300 To W. end Center, identical with E. End Center, Commercial No.3 lode of this Sur. heretofore described.

- 600 To Cor. No.4, identical with Cor. No. 4, Commercial No.3

## MINERAL SURVEY NO. 3777

Feet

## COMMERCIAL NO. 4 Lode Cont'd

lode of this Sur. heretofore described.

Thence N. 61° 31' E

Va. 13° 30' E.

1420 Gulch brs southeasterly.

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

COMMERCIAL NO. 5 lode.

Beginning at Cor. No. 1, Identical with Cor. No. 2, Commercial No. 2 lode of this Sur. heretofore described, whence the Cor. to Tps 21 and 22 S., R 15 and 16 E brs S. 70° 12' 20" E. 10452.6 ft.

Thence N. 6° 17' W

Va. 13° 30' E.

300 To E. end Center. An Oak post 4 ins. diam. by 4 ft. high set firmly in the ground and surrounded with md. of stone 3½ ft base by 3 ft high, scribed E. Cr. C. No. 5

320 Rd brs northeasterly.

600 To Cor. No. 2. An iron pipe 1 in. diam. with brass cap 2 ins. sq. on top 18 ins. above ground, set 18 ins. in ground stamped with cross (X) 2-C No. 5-3777 with md. of stone 3½ ft. base by 3 ft. high alongside.

Loc. Mon. brs N. 61° 31' E. 35.5 ft.

No other bearings are available.

Thence S. 61° 31' W

Va. 13° 30' E.

260 Gulch brs southerly.

925 Road brs southeasterly.

980 Gulch brs southeasterly.

1500 To Cor. No. 3 identical with Cor. No. 3 Commercial No. 6 lode of this Sur. An iron pipe 1 in. diam. with brass cap 2 ins. sq. on top, 18 ins. above ground, set 18 ins in ground, stamped with Cross (X) 3-C No. 5, 3-C. No. 6 - 3777, with md. of stone 3½ ft. base by 3 ft. high alongside. An oak tree 14 ins. diam brs N. 35° E 12.8 ft. No other bearings are available.

## MINERAL SURVEY NO. 3777

Feet

## COMMERCIAL NO. 5 Lode Cont'd.

Thence S 6° 17' E.

Va. 13° 30' E.

300

To W. end Center, identical with E. end Center, Commercial No. 6 lode of this Sur. heretofore described.

600

To Cor. No. 4, identical with Cor. Nos 3-3 and 4, Commercial Nos 2, (1) and 6 lodes, respectively of this Sur. heretofore described.

Thence N. 61° 31' E.

Va. 13° 30' E.

1200

Gulch hrs. southerly.

1500

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

COMMERCIAL NO. 6. lode

Beginning at Cor. No. 1 Identical with Cor. No. 2, Commercial No. (1) lode and E. end Center Ivanhoe No. (3) lode, both of this Sur. heretofore described; whence U. S. L.M. No. 3777 hrs. S 8° 44' W. 982.7 ft.

Thence N. 6° 17' W

Va. 13° 30' E.

300

To W. end Center, identical with Cor. Nos. 2 and 1, Ivanhoe No. (3) and Ivanhoe No. (4) lodes respectively of This Sur., heretofore described.

600

To Cor. No. 2, identical with E. end Center, Ivanhoe No. (4) lode of this Sur. heretofore described.

Thence N. 58° 10' E

Va. 13° 30' E

1496.27

To Cor. No. 3, identical with Cor. No. 3 Commercial No 5 lode of this Sur, heretofore described.

Thence S 6° 17' E

Va. 13° 30' E.

300

To E. end Center, identical with W. end Center Commercial No. 5<sub>lode</sub> of this Sur. heretofore described.

600

To Cor. No. 4, identical with Cor. Nos. 3-3 and 4 Commercial Nos 1, 2 and 5 lodes respectively of this Sur., heretofore described.

## MINERAL SURVEY NO. 3777

Feet

## COMMERCIAL NO.6 Lode Cont'd

Thence S 58° 10' W  
Va. 15° 30' E.

1496.27

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

LODE LINES.

As near as can be determined from the present developments, the veins of the several locations embraced in this claim extend as follows from their respective discovery points;

Imperial Lode N. 83° 43' E. 200 ft and S. 83° 43' W. 1300 ft ✓

Ivanhoe No.1 Lode S 30° 18' E. 45 ft and N. 30° 18' W.  
555 ft. ✓

Ivanhoe No.2 Lode, S 83° 43' W 500 ft and N 83° 43' E  
982.65 ft ✓

Ivanhoe No. 3 Lode, S 83° 43' W. 500 ft and N 83° 43' E.  
982.65 ft. ✓

Ivanhoe No. 4 Lode, S 83° 43' W 600 ft and N 83° 43' E.  
882.65 ft. ✓

Ivanhoe No. 5 Lode, N 59° 42' E 200 ft and S 59° 42' W  
1149.74 ft ✓

Ivanhoe No. 6 Lode, N 59° 42' E. 450 ft and S 59° 42' W.  
899.74 ft ✓

Ivanhoe No.7 Lode, N 6° 17' W. 70 ft and S 6° 17' E  
230 ft. ✓

Ivanhoe No. 8 Lode, N 8° 13' E, 661.52 ft and S 8° 13' W  
826 ft. ✓

Ivanhoe No. 9 Lode, N. 8° 13' E. 220 ft and S 8° 13' W.  
616.7 ft. ✓

Commercial No.1 lode N. 58° 10' E. 400 ft and S 58° 10' W  
1096.27 ft ✓

Commercial No.2 lode N 61° 31' E, 350 ft and S 61° 31' W.  
1150. ft. ✓

Commercial No.3 lode N 58° 10' E 200 ft and S 58° 10' W.  
1296.27 ft ✓

Commercial No.4 lode N. 61° 31' E. 275 ft and S 61° 31' W.  
1225.0 ft. ✓

Commercial No.5 lode, N. 61° 31' E 800 ft and S 61° 13' W  
700 ft ✓

Commercial No.6 lode N. 58° 10' E 400 ft and S. 58° 10' W  
1096.27 ft. ✓

MINERAL SURVEY NO. 3777

COMMERCIAL NO. 6 LODE CORP.

Traverse 3 88 10' W  
V. 13 20' E.

To Cor. No. 1, the base of bedrock.

LODK LINES.

As near as can be determined from the present develop-  
ments, the veins of the several locations mentioned  
in this claim extend as follows from their respective  
discovery points:

Imperial Lode N 83 45' E. 200 ft and S 83 45' W. 1100 ft

Ivanhoe No. 1 Lode S 80 15' E. 45 ft and E 30 15' W. 585 ft.

Ivanhoe No. 2 Lode S 83 45' E. 200 ft and N 83 45' E. 383.66 ft

Ivanhoe No. 3 Lode S 83 45' W. 200 ft and N 83 45' E. 923.66 ft.

Ivanhoe No. 4 Lode S 83 45' W. 200 ft and N 83 45' E. 883.66 ft.

Ivanhoe No. 5 Lode N 89 45' E. 200 ft and S 89 45' W. 1123.74 ft

Ivanhoe No. 6 Lode N 89 45' E. 450 ft and S 89 45' W. 623.74 ft

Ivanhoe No. 7 Lode N 8 15' W. 70 ft and S 8 15' E. 230 ft.

Ivanhoe No. 8 Lode N 8 15' E. 250 ft and S 8 15' W. 323 ft.

Ivanhoe No. 9 Lode N 8 15' E. 250 ft and S 8 15' W. 613.7 ft.

Commercial No. 1 Lode N 88 10' E. 400 ft and S 88 10' W. 1023.27 ft

Commercial No. 2 Lode N 81 31' E. 250 ft and S 81 31' W. 1150 ft.

Commercial No. 3 Lode N 88 10' E. 200 ft and S 88 10' W. 1223.27 ft

Commercial No. 4 Lode N 81 31' E. 250 ft and S 81 31' W. 1223.0 ft.

Commercial No. 5 Lode N 81 31' E. 200 ft and S 81 31' W. 700 ft

Commercial No. 6 Lode N 88 10' E. 400 ft and S 88 10' W. 1023.27 ft.



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over for  
pg. 22

MINERAL SURVEY NO. 3777

EXPENDITURE OF FIVE HUNDRED DOLLARS

Cont'd

IVANHOE NO. 1 Lode

No. 1 The discovery cut, the mouth of which being the discovery point, is on the lode line 45 ft from a point on line 1-2, 287.05 ft from Cor. No. 1,  $4\frac{1}{2}$  ft wide, 8 ft face, running N.  $30^{\circ}18'$  W. 40 ft to face.

Value \$200.00

An undivided 1/16th interest in improvement No. 2 Ivanhoe No. 2 lode hereinafter described, credited to this lode.

Value \$1350.00

IVANHOE NO. 2 Lode

No. 1 The discovery cut, the mouth of which being the discovery point, is on the center line 500 ft from the center of line 3-4, 5 ft wide, 10 ft face, running S,  $30^{\circ}$  E. 80 ft to face. At a point 50 ft from mouth is shaft 4X6 ft. 25 ft deep. At the bottom of shaft is a tunnel 4X6 ft, running S.  $70^{\circ}$  W. 83 ft to daylight.

Value \$1200.00

No. 2. A shaft, timbered, 6X10 ft, 200 ft deep, the center of which is on the center line 370 ft from the center of line 3-4, together with <sup>1616</sup> ~~1566~~ ft of drift.

Total value \$21,600.00

An undivided 1/16th interest is assigned to this claim, value \$1350.00

At the 100 ft level is a drift  $4\frac{1}{2}$ X6 ft. running N.  $86^{\circ}30'$  E. 22 ft to Sta. 101, thence S  $85^{\circ}$  E. 178 ft, thence S  $46^{\circ}$  E. 30 ft, to face.

At Sta. 101 a drift  $4\frac{1}{2}$  X 6 ft running N.  $9^{\circ}$  W. 80 ft to face.

At Sta. 101 a drift  $4\frac{1}{2}$  X 6 ft running south 45 ft to Sta. 102, thence south 33 ft to face. At Sta. 102 a drift  $4\frac{1}{2}$  X 6 ft running northwest 45 ft and connecting with main shaft.

ng. received

MINERAL SURVEY No. 3777

AREA	Acres
Total area Imperial lode - - - - -	20.406 ✓
Total area Ivanhoe No. 1 lode - - - - -	8.086 ✓
Area in conflict with Ivanhoe No.2 lode of this Sur.,1.762 ✓	
Total area Ivanhoe No.2 lode - - - - -	20.422 ✓
Area in conflict with Ivanhoe No.6 lode of this Sur.4.657 ✓	
Total area Ivanhoe No.3 lode - - - - -	20.422 ✓
Total area Ivanhoe No.4 lode - - - - -	20.422 ✓
Total area Ivanhoe No.5 lode - - - - -	18.591 ✓
Total area Ivanhoe No.6 lode - - - - -	18.591 ✓
Total area Ivanhoe No.7 lode - - - - -	1.716 ✓
Total area Ivanhoe No.8 lode - - - - -	18.180 ✓
Total area Ivanhoe No.9 lode - - - - -	10.226 ✓
Total area Commercial No.1 lode - - - - -	18.594 ✓
Total area Commercial No.2 lode - - - - -	19.130 ✓
Total area Commercial No.3 lode - - - - -	18.594 ✓
Total area Commercial No.4 lode - - - - -	19.130 ✓
Total area Commercial No.5 lode - - - - -	19.130 ✓
Total area Commercial No.6 lode - - - - -	18.594 ✓

This Survey is identical with its original location, all corners of which were found in place except as shown in the foregoing field notes.

LOCATION.

This Survey is located in Secs 34 and 35 Unsur. T. 21 S., R. 15 E., in the Coronado National Forest. ✓

EXPENDITURE OF FIVE HUNDRED DOLLARS.

I certify that the value of the labor and the improvements made upon or for the benefit of each of the locations embraced in this claim, is not less than Five Hundred Dollars, and that said improvements consist of;

( follow this with page 22 1/2 )

~~MINERAL SURVEY NO. 3777.~~

~~EXPENDITURE OF FIVE HUNDRED DOLLARS.~~

IMPERIAL LODE.

No. 1, The discovery cut, the face of which being the discovery point is on the center line, 200 ft. from the center of line 1-2, 5 ft. wide 8 ft. face, running S. 83° 43' W., 15 ft. to mouth.

Value. \$100.

No. 2, A tunnel, the mouth of which brs. from Cor. No. 2 S. 24° W., 300 ft. 4 x 6 ft. running N. 66° W. 40 ft. to face.

Value \$400.

No. 3, A shaft the center of which brs from Cor. No. 1. N. 66° 30' W., 390 ft. 8 x 8 ft., 8 ft. deep.

Value \$100.

No. 4, A cut the mouth of which brs. from Cor. No. 1. N. 68° W., 380 ft. 5 ft. wide 10 ft. face, running south 15 ft. to face.

Value \$ 100.

An undivided 1/16 interest in improvement No. 2 Ivanhoe No. 2 lode hereinafter described, credited to this lode.

Value \$1350.

MINERAL SURVEY NO. 1000

MINERAL SURVEY OF FIVE HUNDRED THOUSAND

MINERAL SURVEY

No. 1. The discovery cut, the face of which being the discovery point is on the center line, 200 ft. from the center of line 1-2, 2 ft. wide 2 ft. face, turning 2 ft. in ft. to

mouth.

Value \$100.

No. 2. A tunnel, the mouth of which was from Cor. No. 2, 24 ft.

200 ft. x 8 ft. turning N. 88 W. 40 ft. to face.

Value \$400.

No. 3. A shaft the center of which was from Cor. No. 1, 10 ft. W.

200 ft. x 8 ft., 8 ft. deep.

Value \$100.

No. 4. A cut the mouth of which was from Cor. No. 1, N. 88 W.

200 ft. x 8 ft. wide 10 ft. face, turning south 15 ft. to face.

Value \$100.

An additional 1/16 interest in improvement to N. Lawrence No. 2 hole

mentioned described, credited to this hole.

Value \$100.

## MINERAL SURVEY No. 3777

EXPENDITURE OF FIVE HUNDRED DOLLARS

Cont'd

At Sta 102 a drift  $4\frac{1}{2}$  X 6 ft running S  $52^{\circ} 30'$  E 15 ft to Sta. 103, thence S  $25^{\circ}$  E. 158 ft to Sta. 104 thence S  $44^{\circ}$  E 30 ft to Sta 106; thence S  $28^{\circ}$  E 18 ft to Sta.107; thence S  $14^{\circ} 30'$  W 60 ft to Sta. 108; thence South 23 ft to Sta. 109; thence S  $27^{\circ} 30'$  E. 40 ft to face.

At Sta 104, a drift  $4\frac{1}{2}$  ft x 6 ft running S  $73^{\circ}$  W 27 ft to face. At Sta 104 another drift  $4\frac{1}{2}$  x 6 ft running N  $73^{\circ}$  E 90 ft to Sta 105; thence S  $78^{\circ} 15'$  E. 73 ft to face.

At Sta. 108 a drift  $4\frac{1}{2}$  x 6 ft running S  $56^{\circ}$  E 25 ft to face.

At the 200 ft. level is a drift  $4\frac{1}{2}$  x 6 ft running S  $14^{\circ} 15'$  E. 9 ft. to Sta. 201, thence S  $87^{\circ} 30'$  W 75 ft. to face. At Sta 201 is a drift  $4\frac{1}{2}$  X 6 ft. running N.  $65^{\circ} 15'$  E 95 ft to Sta 202; thence N.  $19^{\circ}$  W. 80 ft to face. At Sta. 202 is a drift  $4\frac{1}{2}$  x 6 ft running S.  $30^{\circ} 15'$  E 95 ft to Sta. 203; thence S  $32^{\circ}$  W 130 ft to face

At Sta 203 is a drift  $4\frac{1}{2}$  x 6 ft running N  $44^{\circ} 45'$  E 140 ft. to face.

This shaft is a practicable and feasible main working shaft for the group, as by drifting and cross-cutting therefrom in different directions towards and under the several claims of this group, the entire group may be advantageously developed and ore extracted therefrom, as all the discoveries are above the present bottom of this shaft. This improvement is therefore a common improvement for the benefit of each claim of this group and an undivided  $1/16$ th interest of the total value of this improvement (\$1350.00) is properly accredited to each lode claim of the group.

No.3. A tunnel the mouth of which brs. from Cor.

## MINERAL SURVEY NO. 3777

## EXPENDITURE OF FIVE HUNDRED DOLLARS

Cont'd

No.4 N 44° 45' E 490 ft. 4X6 ft. running N. 75° E. 40 ft. to face.

Value \$400.00

## IVANHOE NO. 3 Lode

No.1. The discovery cut, the mouth of which being the discovery point is on the center line 500 ft. from the center of line 3-4, 4½ ft. wide, 8 ft. face, running N 84° E 15 ft to face.

Value \$100.00

An undivided 1/16th interest in improvement No.2 Ivanhoe No.2 lode heretofore described, credited to this lode.

Value \$1350.00

## IVANHOE NO. 4 Lode

No.1 The discovery shaft the center of which being the discovery point is on the center line 600 ft from the center of line 3-4, 4X6 ft. 10 ft deep.

Value \$100.00

An undivided 1/16th interest in improvement No. 2 Ivanhoe No.2 lode, heretofore described, credited to this lode.

Value \$1350.00

## IVANHOE No. 5 Lode

No.1 The discovery cut the mouth of which being the discovery point is on the center line 200 ft from the center of line 1-2, 5 ft. wide, 8 ft. face running S 12° W. 15 ft. to face.

Value \$100.00

An undivided 1/16th interest in improvement No. 2 Ivanhoe No. 2 lode heretofore described, credited to this lode.

Value \$1350.00

## MINERAL SURVEY NO. 3777

EXPENDITURE OF FIVE HUNDRED DOLLARS,  
Cont'd

## IVANHOE NO. 6 Lode

No.1 The discovery shaft, the center of which being the discovery point is on the center line 450 ft from the center of line 1-2, 6X6 ft. 10 ft deep.

Value \$100.00

An undivided 1/16th interest in improvement No. 2 Ivanhoe No. 2 lode heretofore described, credited to this lode.

Value \$1350.00

## IVANHOE NO. 7 Lode

No.1 The discovery cut, the face of which being the discovery point is on the lode line 70 ft from a point on line 1-2 at N. 83° 43' E. 175.91 ft from Cor. No.1, 5 ft wide 8 ft face running East 15 ft to mouth.

Value \$100.00

An undivided 1/16th interest in improvement No.2 Ivanhoe No.2 lode heretofore described, credited to this lode.

Value \$1350.00

## IVANHOE NO. 8 Lode

No.1 . The discovery shaft, the N.W. Cor. of which being the discovery point is on the lode line 661.52 ft from a point on line 3-4, at N 83° 43' E. 300 ft from Cor. No.3, 14X14X8 ft deep.

Value \$500.000

An undivided 1/16th interest in improvement No. 2 Ivanhoe No 2 lode heretofore described, credited to this lode.

Value \$1350.00

## IVANHOE NO. 9 Lode

No. 1. The discovery cut the face of which being the discovery point is on the lode line 220 ft from the

## MINERAL SURVEY NO. 3777

EXPENDITURE OF FIVE HUNDRED DOLLARS  
CONT'D

## IVANHOE NO. 9 Lode Cont'd

center of line 3-4, at N 83° 43' E 300 ft from Cor.No.3  
5 ft wide, 10 ft face, running S 18° W 12 ft to Mouth.

Value \$100.00

An undivided 1/16th interest in improvement No.2  
Ivanhoe No.2 lode heretofore described credited to this  
lode.

Value \$1350.00

## COMMERCIAL NO. 1 Lode

No.1 The discovery shaft, the center of which  
being the discovery point is on the center line 400 ft  
from the center of line 3-4, 4X6 ft, 8 ft deep.

Value \$80.00

No.2 A shaft, the center of which is on the center  
line 430 ft from the center of line 3-4, 4X6 ft 8 ft  
deep.

Value \$80.00

An undivided 1/16th interest in improvement No.2  
Ivanhoe No.2 lode heretofore described credited to this  
lode.

Value \$1350.00

## COMMERCIAL NO. 2 lode

No.1 The discovery tunnel, the mouth of which  
being the discovery point is on the center line 350 ft  
from the center of line 1-2, 4X6 ft running S 80° W.135  
ft to Sta 1; thence S 76° W 62 ft to face, from Sta 1 is  
a drift 4X6 ft running N 47° W. 45 ft to face.

Value \$2420.00

No.2 A tunnel the mouth of which brs from Cor.No.3  
N. 63° 30' E 750 ft, 4X6 ft running S 5° 30' W 125 ft to face

Value \$1250.00

An undivided 1/16th interest in improvement No. 2  
Ivanhoe No. 2 lode heretofore described, credited to this  
Lode.

Value \$1350.00



## MINERAL SURVEY NO. 3777

## EXPENDITURE OF FIVE HUNDRED DOLLARS Cont'd

## COMMERCIAL NO. 3 Lode

No. 1 The discovery point on the lode line, 200 ft from the center of line 3-4, on cropping. A monument of stone  $3\frac{1}{2}$  ft base by 3 ft high.

No value.

No. 2. A cut, the face of which brs. from Cor. No. 3, S  $21^{\circ}$  W. 340 ft,  $4\frac{1}{2}$  ft wide, 8 ft face, running West 12 ft to mouth.

Value \$100.00

An undivided  $1/16$ th interest in improvement No. 2 Ivanhoe No. 2 lode heretofore described, credited to this lode.

Value \$1350.00

## COMMERCIAL NO. 4 Lode

No. 1 The discovery cut. the mouth of which being the discovery point, is on the center line 275 ft from the center of line 1-2,  $4\frac{1}{2}$  ft wide, 8 ft face, running S  $61^{\circ} 30'$  W. 15 ft to face.

Value \$100.00

An undivided  $1/16$ th interest in improvement No. 2 Ivanhoe No. 2 lode heretofore described, credited to this lode.

Value \$1350.00

## COMMERCIAL NO. 5 Lode

No. 1 The discovery shaft, the center of which being the discovery point, is on the center line 700 ft from the center of line 3-4, 4X6 ft. 2 ft deep (filled).

Value \$20.00

No. 2. A tunnel, the mouth of which brs from Cor. No. 3, N.  $69^{\circ} 15'$  E. 550 ft, 4X6 ft running S  $37^{\circ}$  W. 15 ft

Value \$150.00

An undivided  $1/16$ th interest in improvement No. 2 Ivanhoe No. 2 lode heretofore described, credited to this lode.

## COMMERCIAL NO. 6 Lode

Value \$1350.

No. 1 The discovery cut the mouth of which being

## MINERAL SURVEY NO. 3777

## EXPENDITURE OF FIVE HUNDRED DOLLARS Cont'd

the discovery point, is on the center line 400 ft. from the center of line 3-4,  $4\frac{1}{2}$  ft. wide, 8 ft. face running N.  $58^{\circ}$  E 15 ft to face.

Value \$100.00

An undivided 1/16th interest in improvement No. 2 Ivanhoe No. 2 lode heretofore described, credited to this lode.

Value \$1350.00

OTHER IMPROVEMENTS.

A frame bunk house, the S.W. Corner of which brs. from Cor. No. 1, Ivanhoe No. 6 lode N  $46^{\circ}$  W 140 ft. 12 X 24 ft, course of long sides S  $58^{\circ}$  W.

A frame bunk house, the S.W. Cor. of which brs from Cor. No. 1 Ivanhoe No. 6 lode, N  $41^{\circ}$  W 250 ft. 12X24 ft. Course of long sides S  $32^{\circ}$  E.

A frame iron clad engine and hoist house, the N.W. Cor. of which brs from Cor. No. 2 Ivanhoe No. 6 lode S  $27^{\circ} 23'$  E. 200 ft, 30X36 ft. Course of long sides N.  $15^{\circ}$  W.

A frame iron clad pump house, the N.W. cor. of which brs. from Cor. No. 3, Ivanhoe No. 9 lode S  $11^{\circ} 45'$  E 270 ft, 10X12 ft, Course of long sides N  $8^{\circ}$  E.

All belonging to Claimant herein.

INSTRUMENT.

This Survey was made with a Gurley Mountain Transit. The courses were deflected from the true Meridian as determined by direct solar observations. The distances were measured with a 500 ft steel tape.

REPORT.

The lode line of each location of this claim was run directly upon the ground and the corners were established by running around the claims.

## MINERAL SURVEY NO. 3777

## REPORT Cont'd

All tie lines were run directly upon the ground. The Cor. to Tps 21 and 22, S., R 15 and 16 E. consists of a porphyry rock 8X8 ins. showing 6 ins. above ground, chiseled with six notches on all four faces. Near it is an oak tree 12 ins. diam. Scribed T.21 S.R.15 E.S.36. This is the nearest corner of the Public Survey that can be found and identified.

A diligent search was made for Cor. to Secs. 1, 2, 35 and 36, and 23, 34 and 35; also the  $\frac{1}{4}$  Cor. between Secs 36 and 1 and  $\frac{1}{4}$  cor. between Secs. 35 and 2, T. 21 & 22 S., R. 15 E, and I failed to find any evidence of the above.

U. S. L.M. No. 3777 consists of a pine timber 6X8 ins. 10 ft. long set firmly in the ground and surrounded with md. of stone 6 ft. base by 5 ft. high; Scribed U S L M No. 3777 W M D.

As there is no Notary Public within a long distance, a great delay, expense and inconvenience would result from strict compliance with the rule. I therefore proceeded to administer the necessary oath.

## ADJOINING CLAIMS

This Survey is adjoined on the East by the Imperial Nos. 2 and 3, unsur. On the South by the Oriental Nos. 1 and 2, Unsur, all belonging to Claimant herein. There are no other adjoining or conflicting claims.

do not include in transcript

MINERAL SURVEY NO. 3777

SOLAR OBSERVATIONS.

Direct Solar Observations taken Monday June 20 1921,  
at 9.07 A M Solar time. Sun Bisected.

Lat  $31^{\circ} 33'$  Lon.  $110^{\circ} 48'$

Difference in time 4 h 30 m.

$$\sin \frac{1}{2}A = \sqrt{\frac{\sin (S-L)(S-H)}{\cos L \cos H}}$$

Apparent declination  $23^{\circ} 26' 22''.2$  ✓

Dec'l  $23^{\circ} 26' 29.1$  ✓

90

$$\frac{23^{\circ} 26' 29''}{66^{\circ} 33' 30''} = P$$

L =  $31^{\circ} 33'$   
H =  $52^{\circ} 52'$   
P =  $66^{\circ} 33' 30''$   
 $2) 150^{\circ} 58' 30''$   
S =  $75^{\circ} 29' 15''$  ✓

S-L =  $43^{\circ} 56' 15''$  ✓  
S-H =  $22^{\circ} 37' 15''$  ✓

9.8412802 ✓  
9.5850442 ✓  
0.0694667 ✓  
0.2191990 ✓  
 $2) 19.7149901$  ✓  
9.8574950 =  $46^{\circ} 04' 30''$  =  $\frac{1}{2}A$  ✓  
 $92^{\circ} 09' 00''$  = A ✓

180  
 $92^{\circ} 09'$   
S  $87^{\circ} 51'$  E = course of sun  
 $8^{\circ} 26'$  Ang to left from sun  
 $96^{\circ} 17''$   
180  
N  $83^{\circ} 43'$  E course of line

Set up at Cor. No.1 Ivanhoe No.6, F. S. Cor. No.2

Field Notes U.S.L.M. No. 3777.

Wrightson Mining District.

Santa Cruz Co., Arizona.

Established June 28, 1921, by T.N. Stevens, U.S. Mineral Surveyor.

Lat. 31°33'N.

Long. 110°48'W.

On the summit of a round top hill, several hundred feet above and overlooking the surrounding country. I dug a hole 2 ft. deep. Over the center of this hole I carefully leveled my transit, whence (Variation 13 30' E. by direct Solar observation)

Look Out Station on Old Baldy, Santa Rita Mts. brs. N. 17 14'W.

9 3/4 miles (Approx)

A Monument on the highest point of Red Mountain, Patagonia Mts. brs. S. 49 04' E., 6 Miles (Approx)

A Monument on the highest point of San Cayetano Mts. brs. S. 79 10' W. about 10 miles.

The highest point on Grosvenor Hills brs. N. 85 09' W. about 4 1/2 miles.

I now remove transit and set a pine post 6 X 8 Ins., 10 ft. long, 2 ft. in the ground and surrounded with a md of stone 6 ft. base by 4 1/2 ft. high, Scribed U.S. L.M. No. 3777- W. M.D.

This Monument is about 1000 ft. southeasterly of the main workings of the Ivanhoe Mine and situated in Sec. 34 Unsurveyed, T.21 S., R. 15 E.

# FINAL OATHS FOR SURVEYS.

## LIST OF NAMES.

A list of the names of the individuals employed by T.N. Stevens

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

Arthur H. Ives

known as the IMPERIAL, IVANHOE NO.1, IVANHOE NO.2, IVANHOE NO.3, IVANHOE NO. 4, IVANHOE NO. 5, IVANHOE NO. 6, IVANHOE NO. 7, IVANHOE NO. 8, IVANHOE NO. 9, COMMERCIAL NO. 1, COMMERCIAL NOS . 2,3,4,5,6 lodes. and showing the respective capacities in which they acted.

C.A. Pond, Chainman.

....., Chainman.

....., Axman.

....., Flagman.

## FINAL OATHS OF ASSISTANTS.

We, I, C.A. Pond

and I, do solemnly swear that we assisted

T.N. Stevens, United States Mineral Surveyor, in marking the corners and surveying the boundaries of the mining claim of Arthur H. Ives

known as the IMPERIAL, IVANHOE NO. 1, IVANHOE NO. 2, IVANHOE NO. 3, IVANHOE NO. 4, IVANHOE NO. 5, IVANHOE NO. 6, IVANHOE NO. 7, IVANHOE NO. 8, IVANHOE NO. 9, COMMERCIAL NO. 1, COMMERCIAL NOS. 2,3,4,5,6, 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~~<sup>my</sup> 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.

C.A. Pond, Chainman.

....., Chainman.

....., Axman.

....., Flagman.

Subscribed and sworn to by the above-named persons before me this 30th

day of June, 1921

T.N. Stevens  
U.S. Mineral Surveyor.

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, T. N. STEVENS, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated June 9, 1921, 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 Arthur H. Ives

Imperial, Ivanhoe Nos 1, 2, 3, 4, 5, 6, 7, 8 and 9 lodes and Commercial Nos. 1, 2, 3, 4, 5, and 6 lodes, known as the

situate in Wrightson Mining District, Santa Cruz County, Arizona, in Section 34 and 35, Township No. 21 S., Range No. 15 E. Unsur, and designated as Survey No. 3777

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 its 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.

T. N. Stevens
U. S. Mineral Surveyor.

Subscribed and sworn to by the said T. N. STEVENS
U. S. Mineral Surveyor, before me Isabel M. Lauder, a Notary Public for Pima County, Arizona this 21st day of July, 19 21.

My Commission expires June 4 1924

Isabel M. Lauder
Notary Public

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

66

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

Phoenix, Arizona.

October 15, 1921.

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

Arthur H. Ives

, known as the IMPERIAL, IVANHOE NOS. 1, 2, 3, 4, 5, 6, 7, 8, 9,  
COMMERCIAL NOS. 1, 2, 3, 4, 5, 6 lodes, situate in Wrightson

Mining District, Santa Cruz County,

Arizona, in Section 34 & 35, Township No. 21 S,

Range No. 15 E., Unsur., and designated as Survey

No. 3777, 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 improvements made upon <sup>or for each of</sup> said mining claims by claimant or his grantors, and  
that said improvements consist of 9 shafts, 11 cuts, 6 tunnels and 13  
drifts, total value \$29,500

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

67

Phoenix, Arizona,

October 15, 1921

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

Arthur H. Ives

, known as the

IMPERIAL, IVANHOE NOS. 1, 2, 3, 4, 5, 6, 7, 8, 9, COMMERCIAL NOS. 1, 2, 3, 4, 5, 6 lodes

situate in Wrightson mining district,

Santa Cruz County, Arizona

in Sections 34 & 35, Township No. 21 S., Range No. 15 E., Unsur.

, designated as Survey No. 3777

executed by T. N. Stevens, U. S. Mineral

Surveyor, June 13 - 30, 1921, 191, under my instructions dated

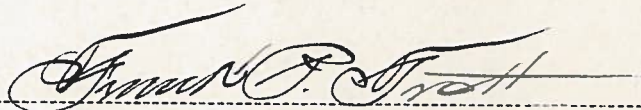
June 9, 1921, 191, have been critically examined and the necessary cor-

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.