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Recd. 3rd Filed Dec. 28 1903
Examined. G. C. J.

Notes and forms copied
W. P. M.

(4-683.)

Mineral Survey No. 1811

Lot No. _____

Yuma Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Joseph Cortes

KNOWN AS THE

White Dawn-Pine Tree-Mountain Lion, Lost Chance
Mammoth + Meru Strike No 2 in the Hartford Mining District.

Cochise County, Arizona

Section Approximately Township 23 S, Range 2 DE (unsub.) G. S. R. Borner

Surveyed under instructions dated June 15, 1903

by Geo. C. Clark,
U. S. Deputy Mineral Surveyor

Claim located See Certificates, 1

Survey commenced June 18th, 1903

Survey completed June 30th, 1903

Claimants Address: 1943 Morwood St
Los Angeles California

PRELIMINARY OATHS OF ASSISTANTS IN SURVEY OF MINING CLAIM.

WE, J. C. Hammond and E. W. Armstrong,

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 Joseph Curtis
known as the New Strike nor ~~White Dawn~~ Pine Tree
~~known as the~~ White Dawn, Mountain Lion, Lost Chaud, Mammoth

situate in Hartford mining district

Cochise County, Arizona,

in Section _____, Township No. _____, Range No. unsurveyed

E. W. Armstrong, Chairman.

J. C. Hammond, Chairman.

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

27th day of December, 1903

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

J. D. Kinsey

My commission expires September 10, 1907.

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____

Beginning at Cor. No. 1, the NW. cor., identical with location, a pine post 4 ft. long, 4 ins. square, set 1 ft. in the ground in a mound of stones, and scribed 1-1811 P. T. L., whence a rock in place level with the surface 3 ft. square, chiseled x 1-1811 B. R. brs. N. $14^{\circ} 23'$ E. 31.5 ft., and U. S. M. M. No. 1811 brs. N. $9^{\circ} 15'$ E. 2766 ft.

Thence S. $7^{\circ} 10'$ E.

300.0 to original location for W. end center.

600.0 same bearing to Cor. No. 2, the SW. cor., identical with location, a pine post 4 ft. long, 4 ins. square, set 1 ft. in the ground in a mound of stones, and scribed 2-1811 P. T. L., whence a rock in place 1 ft. high, 2 x 3 ft. chiseled x 2-1811 B. R. brs. N. $45^{\circ} 15'$ W. 36.5 ft.

Thence S. $62^{\circ} 17'$ E.

508.0 to original location for S. side center.

1016.2 same bearing to Cor. No. 3, the SE. cor., identical WITH LOC. WITH with Cor. No. 6 Mammoth lode of this survey, a pine post 4 ft. long, 4 ins. square set in the ground in a mound of stones and scribed 3-1811 P. T. L., whence a rock in place 1 ft. high, 3 ft. square, chiseled x 3-6-1811 B. R. brs. N. $13^{\circ} 25'$ W. 71.3 ft!

Thence N. $7^{\circ} 10'$ W.

300.0 to original location for E. end center.

600.0 same bearing to Cor. No. 4, the NE. cor., identical with location and with Cors. No. 1, 3, and 6 respectively, Mammoth, New Strike No. 2 and Lost Chance claims of this survey, a pine post etc., scribed 4-1811 P. T. L.

Thence N. $62^{\circ} 17'$ W.

508.2 to original location for N. side center.

1016.2 same bearing 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 N. $62^{\circ} 17'$ W. 1016.2

Beginning at Cor. No. 1, the NW. cor., identical with location a pine post 4 ft. long, 4 ins. square, set in the ground in a mound of stones and scribed 1-1811 N. S. 2, whence a granite cropping 3 ft. high, chiseled x 1-1811 B. R. brs. N. $4^{\circ} 34'$ E. 98 ft., and U. S. M. M. No. 1811 brs. N. $15^{\circ} 41'$ E. 2069.1 ft.

Thence S. $27^{\circ} 39'$ W.

300.0 to original location for W. end center,

600.0 same bearing to Cor. No. 2, the SW. cor., identical with location, a pine post 4 ft. long, 4 ins. square, set 1 ft. in the ground in a mound of stones and scribed 2-1811 N. S. 2, whence a rock in place 3 x 5 x 6 ft. chiseled x 2-1811 B. R. brs. S. $61^{\circ} 13'$ E. 45.6 ft.

Thence S. $62^{\circ} 17'$ E.

444.0 to Cor. No. 1 Pine Tree lode of this survey.

730.0 same bearing to original location for South side center.

1460.2 same bearing to Cor. No. 3, the SE. cor., identical with location, and with Cors No. 1, 4 and 6 respectively Mammoth, Pine Tree and Lost Chance claims of this survey, a pine post etc., scribed 3-1811 N.S.2.

Thence N. $27^{\circ} 39'$ E.

300.0 to original location for East end center.

600.0 same bearing to Cor. No. 4, the NE. cor, identical with location and with Cors. No. 1 and 4 respectively Last Chance and White Fawn lodes of this survey, a pine post etc., scribed 4-1811 N. S. 2.

Thence N. $62^{\circ} 17'$ W.

252.1 to Cor. No. 5 White Fawn lode of this survey.

730.0 same bearing to original location for N. side center.

1460.2 same bearing 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 N. $62^{\circ} 17'$ W. 1460.2 ft.

L O S T C H A N C E .

Feet

SURVEY NO. 1811 .

3

Beginning, at Cor. No. 1, the NW. cor., identical with *location* &
 Cors. No. 4 and 4 White Fawn and New Strike No. 2 claims
 of this survey, a pine post 4 ft. long, 4 ins. square,
 set 1 ft. in the ground in a mound of stones and scribed
 1-1811 L. C. L., whence a rock in place 1 x 2 x 3 ft.
 brs. N. 80° 12' W! 39.9 ft., and U. S. M. M. No. 1811 brs
 N. 15° 21' W. 2770.2 ft.,

Thence S. 82° 17' E.

131.56 to Cor. No. 2, Mountain Lion lode of this survey.

348.7 same bearing to Cor. No. 3 White Fawn lode of this survey

650.0 same bearing to Cor. No. 2, identical with location for
 N. side center, and with Cor. No. 3 Mountain Lion lode
 of this survey, a pine post 4 ft. long, 4 ins. square,
 set 1 ft. in the ground in a mound of stones and scribed
 2-1811 L. C. L., whence a rock in place 1 x 2 x 3 ft.
 chiseled x 2-3-1811 B. R. brs. S. 28° 30' W. 53.5 ft.

Thence S. 41° 16' E.

850.0 to Cor. No. 3, the NE. cor., identical with location, a
 pine post 4 ft. long, 4 ins. square, set 1 ft. in the
 ground in a mound of stones and scribed 3-1811 L. C. L.
 whence a rock in place 6 ins. high, 3 x 4 ft. chiseled
 x 3-1811 B. R. brs. N. 74° 38' W. 101 ft.

Thence S. 27° 39' W.

300.0 to original location for E. end center,

600.0 same bearing to Cor. No. 4, the SE. Cor., identical with
 location, and with Cor. No. 3 Mammoth lode of this survey
 a pine post 4 ft. long, 4 ins. square, set 1 ft. in the
 ground in a mound of stones and scribed 4-1811 L. C. L.
 whence a limestone cropping 2 feet high chiseled 3-4-1811
 B. R. brs. S. 45° 35' E. 91.2 ft.

Thence N. 41° 16' W.

850.0 to Cor. No. 5, identical with location for S. side center
 and with Cor. No. 2, Mammoth lode of this survey, a pine

post 4 ft. long 4 ins. square set in the ground in a mound of stones and scribed 5-1811 L. C. L., whence a rock in place level with the surface 1 x 4 ft. chiseled x 2-5-1811 B. R., brs. S. $0^{\circ} 43' E.$ 57.3,

Thence N. $82^{\circ} 17' W.$

650.0 to Cor. No. 6, the SE. cor., identical with location and with Cor. No. 1, 3 and 4, respectively, Mammoth, New Strike No. 2, Pine Tree claim of this survey, a pine post., etc. scribed 6-1811 L. C. L.

Thence N. $27^{\circ} 39' E.$

300.0 ft. to original location for W. end center.

600.0 same bearing 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 N. $41^{\circ} 16' W.$ 850 ft. thence N. $82^{\circ} 17' W.$ 650 ft.

MAMMOTH.

Survey No. 1811.

Feet.

7

5

Beginning at Cor. No. 1, the NW. cor., identical with location and with cors. 3,4 and 6 respectively New Strike No. 2, Pine Tree and Lost Chance claims 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 1-1811 M. L., whence a rock in place 3 x 3 x 5 ft. chiseled X-3-4-6-1-B. R. brs. N. ¹⁸¹¹ 35° 21' E. 117 ft., and U. S. M. M. No. 1811 brs. N. 8° 5' W. 3234.7 ft.

Thence S. 82° 17' E.

650.0 to cor. No. 2 identical with Cor. No. 5 Lost Chance lode of this survey, a pine post 4 ft. long 4 ins. sq. set 1 ft. in the ground and scribed 2-1811 M. L.

Thence S. 41° 16' E.

850.0 to Cor. No. 3 the NE. cor., identical with Cor. No. 4 Lost Chance lode of this survey, a pine post etc., scribed 4-1811 M. L., whence original location brs. N. 6° W. 600ft.

Thence S. 7° 10' E.

300.0 to original location for E. end center

600.0 same bearing to Cor. No. 4, the SE. cor., identical with location a pine post 4 ft. long 4 ins. sq. set 1 ft. in the ground in a mound of stones and scribed 4-1811 M. L., whence a flat rock level with the surface 3 ft sq. chiseled X 4-1811 B. R. brs. N. 86° 33' W. 78.5 ft.

Thence N. 41° 16' W.

850.0 to Cor. No. 5, the a pine post 4 ft. long 4 ins. sq. set in the ground in a mound of stones and scribed 5-1811 M.L. whence a rock in place 1 ft. high 2 x 3 ft., chiseled X 5-1811 B. R. brs. N. 36° 11' W. 84.6 ft.

Thence N. 82° 17' W.

650.0 to Cor. No. 6, the SW. cor., identical with location and with Cor. No. 3 Pine Tree lode of this survey, a pine post etc., scribed 6-1811 M. L.,

Thence N. 7° 10' W.

300 to original location for W. end center

Feet.

Survey No. 1811.

6

600.0 same bearing 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 N. $41^{\circ} 16'$ W. 850 ft., thence N. $32^{\circ} 17'$ W. 650 ft.

MOUNTAIN LION.

Beginning at Cor. No. 1, the NW. cor., on line at N. $37^{\circ} 29'$ E. 525.1 ft. from Cor. No. 3 2-3 White Fawn 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 1-1811 M. L. L., whence a rock in place 1 ft. high 3 ft. sq., chiseled X 1-1811 B. R. brs. S. $74^{\circ} 18'$ E. 61.4 ft., and U. S. M. M. No. 1811 brs. N. $31^{\circ} 17'$ W 2692.8 ft.

Thence S. $54^{\circ} 04'$ W.

330.0 to original location for W. end center

660.36 same bearing to Cor. No. 2, the SW. cor., identical with location on line 3-4 White Fawn 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 2-1811 M. L. L., whence a rock in place level with the surface 2 ft. sq. chiseled X 2-1811 B. R. brs. N. $31^{\circ} 45'$ E. 36.5 ft

Thence S. $82^{\circ} 17'$ E.

217.14 to Cor. No. 3, White Fawn lode of this survey.

518.44 same bearing to Cor. No. 3, identical with Cor. No. 2 Lost Chance lode of this survey, a pine post etc., scribed 3-1811 M. L. L.,

Thence $41^{\circ} 16'$ E'

850.0 to Cor. No. 3 Lost Chance lode of this group

981.5 same bearing to Cor. No. 4, the SE. cor., identical with location a pine post 4 ft. long 4 ins. sq. set 1 ft. in the ground in a mound of stones and scribed 4-1811 M. L. L. whence a rock in place 1 ft. sq. 6 ins. high chiseled 4 X 4-1811 B. R. brs. N. $76^{\circ} 30'$ E. 83.8 ft

Feet.

Thence N. 54° 04' E.

300.0 original location E. end center

600.0 same bearing to Cor. No. 5, the NE. cor., identical with location a pine post 4 ft. long 4 ins. sq. set 1 ft. in the ground in a mound of stones and scribed 5-1811 M.L.L. whence a rock in place 1 x 2 x 3 ft. chiseled X 5-1811 B.R. brs. N. 80° 35' E. 68.9 ft.

Thence N. 47° 01' W.

1187.6 to Cor. No. 6, a pine post 4 ft. long 4 ins. sq. set 1 ft. in the ground in a mound of stones and scribed 6-1811 M'L'L' whence a rock in place 1 x 1 x 2 ft., chiseled X 6-1811 B.R. brs. S. 2° 54' E. 91.7 ft., and original location for NW. cor. brs. N. 45° W. 200 ft.

Thence N. 82° 17' W.

245.7 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 N. 41° 16' W. 981.5 ft. thence N. 82° 17' W. 518.4 ft.

WHITE FAWN.

Beginning at Cor. No. 1, the NW. cor., identical with location, a pine post 4 ft. long 4 ins. sq. set 1 ft. in the ground in a mound of stones and scribed 1-1811 W.F.L., whence a rock in place 1 ft. high 3 x 4 ft. chiseled X 1-1811 B. R. brs. S. 56° 36' E. 68.9 ft., and U. S. M. M. No 1811 brs. N. 42° 21' W. 1942 ft.

Thence S. 82° 17' E.

345.0 to original location for N. end center.

690.0 same bearing to Cor. No. 2, same bearing, identical with location a pine post 4 ft. long 4 ins. sq. set 1 ft. in the ground in a mound of stones and scribed 2-1811 M.F.L. whence a rock in place 1 ft. high 2 x 3 ft. chiseled X 2-1811 B. R. brs. S. 71° 16' W. 45.6 ft.

Thence S. 37° 29' W.

Feet.

Survey No. 1811.

974.9 to Cor. No. 1 Mountain Lion mode of this survey.
 1500.0 same bearing to Cor. No. 3 the SE. cor., identical with location a pine post 4 ft. long 4 ins. sq. set 1 ft. in the ground in a mound of stones and scribed 3-1811 W. F. L., whence a rock in place 1 x 2 x 3 ft. chiseled X 3-1811 B. R. brs. S. 81° 20' E. 55.6 ft.

Thence N. 82° 17' W.

217.14 to Cor. No. 2 Mountain Lion of this survey
 348.7 same bearing to Cor. No. 4, identical with location for S. end center and with Cors. No. 1 and 4 respectively of the Lost Chance and New Strike No. 2, claims of this group. a pine post etc., scribed 4-1811 W. F. L.

Thence N. 62° 17' W.

252.1 to Cor. No. 5, the SW. cor., a pine post 4 ft. long 4 ins. sq, set 1 ft. in the ground in a mound of stones and scribed 5-1811 W. F. L., whence a rock in place level with the surface 2 ft. sq. chiseled X 5-1811 B. R. brs. S. 0° 9' W. 58.9 ft., and original location for SW. cor., brs. S. 35° 29' W. 126. ft.

Thence N. 35° 29' E

1374.2 to Cor. No. 1, the place of beginning.

Ledge.

The presumed course of the vein on this claim is from the N. end center of location S. 37° 29' W. 1500 ft.

IMPROVEMENTS

10

I certify that the value of the labor and improvements on this group is not less than \$500 for each location thereof. Said improvements were placed thereon by the claimant or his grantors and consist of:

No. 1	Disc. Shaft 4 x 6 x 10 brs. from Cor. No. 1 N. 31° 35' W. 535 ft., Value	100.
	\$500 interest in Tunnel No. 1 Mountain Lion	500
	PINE TREE	
No. 1	Disc. ^{No. 1} Shaft 4 x 6 x 10 ft. brs. from Cor. No. 3 N. 31° 35' W. 575 ft., Value	100

Feet.

Survey No. 1811.

9

IMPROVEMENTS.

\$500 interest in Tunnel No. 1 Mountain Lion \$500

MAMMOTH.

No. 1 Disc. Shaft ^{No. I.} 4 x 6 x 10 ft. brs. from Cor. No. 6
N. 9° 05' E. 255 ft. Value 100.

\$500 interest in Tunnel No. 1 Mountain Lion lode 500.

LOST CHANCE.

No. 1 Disc. Shaft ^{No. I.} 4 x 6 x 70 ft., brs. from Cor. No. 5
N. 70° 45' E. 210 ft., Value 870.

No. 2 Shaft 4 x 6 x 10 brs. from same point N. 61° 45' E.
210. ft., Value 100.

No. 3. Tunnel 4 x 6 x 30 ft. course S. 60° W. brs. from Cor. No.
5 N. 66° 50' E. 200 ft., Value \$240. 240.

No. 4 Tunnel 4 x 6 x 40 ft., course S. 62° W. brs. from same
point N. 86° 1' E 320 ft., Value 320.

No. 5 Tunnel 4 x 6 x 230 ft, course S. 9° W brs. from Cor. No.
2 S. 13° 17' E. 435 ft., Value 2300.0

No. 6 Tunnel brs. from the same point S. 9° 59' E. 562 ft.
tunnel 4 x 6 ft, course S. 41° E. . 40 ft., thence
N. 8° E. 20 ft., whence breast of E. cross cut brs. N.
89° 59' E. 10 ft, and breast of W. crosscut brs. S. 89°
59' W. 20 ft., Value 800.00

MOUNTAIN LION.

No. 1 Disc Tunnel No. 1, 4 x 6 ft. in the clear, mouth brs. from
Cor. No. 4, N. 13° 7' W. 405 ft. course of tunnel S.
50° 49' W. 315.1 thence S. 51° 02' W. 305.7 ft., thence S.
61° 05' W. 53.7 ft., thence S. 30° 36' W. 26.4 ft. thence
N. 52° 07' W. 74.1 ft. to breast Total value 7740.

The interests in this tunnel are divided as follows:

Pine tree, \$500. WHITE FAWN lode \$500. New Strike No.
2 \$500, Mammoth \$500 and to the Mountain Lion claim 5740

Total Improvements on group

Note. The trend of the Hudchucha mountains is from the NW.
to the SE. and these claims lie on the E. side and across
the hog back, descending on the W. slope. on the New

Survey No. 1811

10

Strike and Pine Tree lodes. Tunnel No. 1 in the Mountain Lion claim is at the base of the hill at the head of Ash canyon and in its present direction tends directly to the development of the whole group by cutting the ore body on the various claims, this being distinctly a deposit and not a vein formation. Further Tunnel No. 1 furnishes the only practical means of developing the property as it is the only accessible point that can be reached by wagon

Adjoining Claims.

Surrounded on all sides by unclaimed ground so far as known.

Location.

The claims are located in the N. fork of Ash canyon on unsurveyed ground in the Hartford Mining District, in the Huachuca mountains, Cochise County, Arizona.

Areas.

Total and Net Area Lost Chance		19.541 a.
"	Mammoth	15.216
	Pine Tree	11.482
	New Strike No. 2.	20.113 19.653
Total area Mountain Lion	17.416 17.416	
Less White Fawn conflict	1.136 1.136	
Net area Mountain Lion		16.279
Total and Net area White Fawn		19.464 19.486
Net area of group.		101.895 101.45

Instrument.

Survey was made with a Lietz mountain and mining transit; the courses were deflected from the meridian as determined by solar observations checked by an observation on Polaris. The distances were measured with a 300-foot steel tape. Mag-netic variation. 12° 00' E.

Geo. D. Clark

Bisbee, Arizona, December 20, 1903. U.S. Dept. of Mineral Surveyor.

U. S. M. M. No. 1811

Having previously determined the latitude by solar observations, on the afternoon of June 20th. 1903, had a $1\frac{7}{8}$ inch drill, 18 ins. long set flush in bed-rock on high peak on hogback of main range & determined true N by solar observations, taken with a Saegmuller attachment, repeated at intervals of 1 & 2 hours from 2-5 P.M. & placed a stake on this line upon an adjoining ridge about 1200 ft. distant. From 1-45-2 2-15 A.M. on June 21st. took observations on polaris at E elongation & on this line set stake at a distance of about 600 ft. On same date calculated the Azimuth & placed instrument over the point on drill before used and turned off a true N. and S. line, missing the stake set on previous day by solar observation by .3. ft. and took the observation on Pole Star as correct. and on this line at a distance of 100 ft. N. put $1\frac{7}{8}$ steel drill $2\frac{1}{2}$ ft. long 2 ft. in the ground; place a drill of same dimensions 100 ft. S. chiseling the adjoining rock in each instance U.S.M.M.No.1811 B.R., and at 52. and 61.5 respectively, due E. and W. chiseld in bedrock X 1811 U.S.M.M. B.R. from point of setting high peak brs. N. $11^{\circ}15'$ E., a second peak brs. S. $3^{\circ}34'$ E. and prominent cropping on ridge running into valley brs. S. $70^{\circ}46'$ E. and a big lone tree on same ridge brs. S. $75^{\circ}02'$ E. and high peak by Glance station in Mule Mountains brs. S. $88^{\circ}50'$ E. Having previously scribed a pine post 8 ft. long 8 ins. sq. U.S.M.M.1811, the same was exactly centered over drill first set on June 20th from first bearing drill to N.



U. S. Deputy Mineral Surveyor.

White Town

Survey No. 1808

St.	Bear.	Dist.	Lat.	Dep.	W.M.W.	Area.
1-2	S. 82° 17' E	690.0	- 92.65	+ 683.75	+ 683.75 -	63349.437
2-3	S. 37° 29' W	1500.0	- 1190.30	- 912.80	+ 454.70 -	541229.410
3-4	N. 82° 17' W	348.7	+ 46.82	- 345.54	- 803.64 -	37626.425
4-5	N. 62° 17' W	252.1	+ 117.23	- 223.15	- 1372.33 -	160878.246
5-1	N. 35° 29' E	1374.2	+ 1118.90	+ 797.74	- 797.74 -	892591.286
						1695674.804

New Strike No. 2.

1-2	S. 27° 39' W	600.00	- 531.48	- 278.44	- 278.44 +	147985.291
2-3	S. 62° 17' E	1460.20	- 679.14	+ 1292.62	+ 735.74 -	499670.464
3-4	N. 27° 39' E	600.00	+ 531.48	+ 278.44	+ 2306.80 +	1226018.064
4-1	N. 62° 17' W	1460.20	+ 679.14	- 1292.62	+ 1292.62 +	837869.947
						1712202.838

Pine Tree

1-2	S. 7° 10' E	600.00	- 595.31	+ 74.85	+ 74.85 -	44558.953
2-3	S. 62° 17' E	1016.20	- 472.63	+ 899.60	+ 1049.30 -	495930.659
3-4	N. 7° 10' W	600.00	+ 595.31	- 74.85	+ 1874.05 +	1115640.705
4-1	N. 62° 17' W	1016.20	+ 472.63	- 899.60	+ 899.60 +	425177.948
						1000329.041

Mammoth

1-2	S. 82° 17' E	650.00	- 87.28	+ 644.11	+ 644.11 -	56217.921
2-3	S. 41° 16' E	850.00	- 638.90	+ 560.63	+ 1848.85 -	181230.265
3-4	S. 7° 10' E	600.00	- 595.31	+ 74.85	+ 2484.33 -	1478946.492
4-5	N. 41° 16' W	850.00	+ 638.90	- 560.63	+ 1998.55 +	1276873.596
5-6	N. 82° 17' W	650.00	+ 87.28	- 644.11	+ 793.81 +	69283.730
6-1	N. 7° 10' W	600.00	+ 595.31	- 74.85	+ 74.85 +	44558.953
						1325678.39

Last Chance

1-2	S. 82° 17' E	650.00	- 87.28	+ 644.11	+ 644.11 -	56217.921
2-3	S. 41° 16' E	850.00	- 638.90	+ 560.63	+ 1848.85 -	181230.265
3-4	S. 27° 39' W	600.00	- 531.48	- 278.44	+ 2131.04 -	1132605.139
4-5	N. 41° 16' W	850.00	+ 638.90	- 560.63	+ 1291.97 +	825439.633
5-6	N. 82° 17' W	650.00	+ 87.28	- 644.11	+ 87.23 +	7613.434
6-1	N. 27° 39' E	600.00	+ 531.48	+ 278.44	- 278.44 -	147985.29
						1684985.54

Mountain Lion

St.	Bear.	Dist.	Lat.	Dep.	W. m. W.
1-2	S. 37° 29' W.	525.10 - 416.68 - 319.54	- 319.54 + 133	145.927	
2-3	S. 82° 17' E.	301.30 - 40.46 + 298.57	- 340.51 + 13	777.035	
3-4	S. 41° 16' E.	981.50 - 737.74 + 647.36	+ 605.42 - 446	642.551	
4-5	N. 54° 04' E.	600.00 + 352.15 + 485.83	+ 1738.61 + 612	164.581	
5-6	N. 47° 01' W.	1187.60 + 809. ⁵⁹ - 868.75	+ 1355.69 + 1097	824.205	
6-1	N. 82° 17' W.	245.70 + 32.99 - 243.47	+ 243.47 +	8032.075	
				1418301.272	

Mountain Lion, White Tawon Conflict

1-2	S. 37° 29' W.	525.10 - 416.68 - 319.54	- 319.54 + 133	145.927
2-3	N. 82° 17' W.	217.14 + 29.15 - 215.16	- 854.24 - 249	01.096
3-1	N. 54° 4' E.	660.36 + 387.53 + 534.70	- 534.70 - 207	599.821
				99354.990

(1-685)

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Geo. C. Clark
 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 Joseph Curtis
 known as the White Hawk, Mountain Lion, Pine Tree, Lost Chance
new strike n^o 2 + mammoth
 and showing the respective capacities in which they acted.

E. W. Armstrong, Chairman.
J. C. Hammond, Chairman.
 _____, Axman.
 _____, Flagman.

FINAL OATHS OF ASSISTANTS.

We, E. W. Armstrong
 and J. C. Hammond, do solemnly swear that we assisted
Geo. C. Clark, United States Deputy Mineral Surveyor, in marking the corners and
 surveying the boundaries of the mining claim of Joseph Curtis

mountain Lion, Pine Tree, Lost Chance; Mammoth, known as the White Hawk
+ new strike no 2, 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.

E. W. Armstrong, Chairman.
J. C. Hammond, Chairman.
 _____, Axman
 _____, Flagman.

Subscribed and sworn to by the above-named persons before me
 this 21st day of December, 1903

W. Kinsey
 Notary Public in and for the County of Cochise,
 Territory of Arizona.
 My commission expires September 10 1907.

(4-686.)

FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR

I, Geo. C. Clark, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated June 15th 1903, 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 Joseph Curtis

known as the White Dragon: Pine Tree: New Strike No 2, Mammoth, Mountain Lion + Lost Chance, situate in Hartford Mining District,

Cochise County, Arizona, in Section Approximately, Township No. 23S, Range No. 20E and designated as Survey No. 1811

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 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.

Geo. C. Clark
U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said Geo. C. Clark
U. S. Deputy Mineral Surveyor, before me H. D. Kinsey a Notary Public this 21st
day of December 1903.

H. Kinsey

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

Affidavit of Five Hundred Dollars Improvements.

We, J. C. Hammond, and E. W. Armstrong

of lawful age, being first duly sworn according to law, depose and say: That we are acquainted with the White Hawk, Pine Tree, Lost Chancel, New Strike No 2, Mammoth and Mountain Lion mining claim, situate in Hartford Mining district, Cochise County, Arizona Territory, for which Joseph Curtis

has 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 his grantor exceed Five Hundred Dollars in value, and further that we are not personally interested in said mine.

E. W. Armstrong
J. C. Hammond

TERRITORY OF ARIZONA,
County of Cochise ss:

Sworn to and subscribed before me, this 21st day of December, 1903



[Signature of Notary Public]

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

My commission expires September 10, 1907.

Notice of Mining Location.
Quartz Claim.

To All Whom It May Concern:

This Mining claim, the name of which is the *New White No 700* Mining Claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purpose of exploration and purchase by *E. P. Cleland & H. H. Cleland*

the undersigned, on the *10* day of *Feb* 1898
The length of this claim is *Fifteen hundred* feet, and the
claim is *Fifteen hundred* feet in a *Westerly* direction
and *feet in a* direction
from the center of the discovery shaft, at which this notice is posted,
lengthwise of the claim, together with *Three hundred* feet in
width of the surface grounds, on each side of the center of said claim.
The general course of the lode deposit and premises is from the
East to the *West*

The claim is situated and located in the *Hanford* Mining District, in
Cochise County, in the Territory of Arizona, about *at the head of Ash*
in a *Horizontal* direction from *canyon*

The surface boundaries of the claim are marked upon the ground as follows: beginning at *East end at a monument of stone & near*
a fir tree

at a point in a *Northerly* direction *20*
feet from the discovery shaft (at which this notice is posted), being in the
center of the *end line of said claim; thence North*
300 ft feet to a *Monument of stone* being the
Mark East corner of said claim; thence *West 750*
ft feet to a *Monument of stone* at the center
of the *Northerly* side line of said claim; thence *West 750*
Mark West feet to a *Monument of stone* being at the
300 corner of said claim; thence *South*
of the *Northerly* end of said claim; thence *South 300*
feet to a *Monument of stone*, being at the *South West*
corner of said claim; thence *East 750*
feet to a *Monument of stone* being at the center of the
South side line of said claim; thence *East 750*
feet to a *Monument of stone* at the *South East*
corner of said claim, thence *North 300 ft*
to the place of beginning.

Call done under the provisions of Chapter Six, of Title XXII, 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,

is posted and posted on the ground this *10* day of *February* 1898

Witnessed by
D. F. Doyle *E. P. Cleland*
H. H. Cleland

Filed and recorded at request of *E. P. Cleland* April 4th 1898
at 9:30 am Book 14 page 529, Record of Mines.

City of Arizona:

:85.

County of Cochise.)

I, Frank Ware County Recorder in and for said County 21 .
 do hereby certify that I have compared the foregoing copy with the original
 return notice of the *New Britain* claim, filed and recorded in my
 office on the 4th day of April 1898, in book *12* page *529*, Record of Mines
 and that the same is a true and correct copy of such original and
 of the whole thereof.

Witness my hand and seal of office, this 5th day of June 1903.

Frank Ware
 County Recorder.

LOCATION NOTICE.

Notice is hereby given, that the undersigned in compliance with the requirements of Chapter VI, Title 32, of the revised Statutes of the United States, and the local customs, laws and regulations, has this day located and claim fifteen hundred (1500) linear feet along the course of this lead, lode or vein of mineral bearing quartz, and three hundred (300) feet in width on each side of the middle of said lead, lode or vein, together 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, situate in the Hartford Mining District, County of Cochise, and more particularly described as follows, to wit: Commencing at a monument, being the easterly center end a 3 1/2 post set in a mound of stones, two pine trees with blazes stands near by thence S. 4°49' E feet to South East corner on account of a high bluff the monument was placed 20 feet S. 4°49' E from where the true corner should be, blazed pine trees mark this monument, thence from true corner N. 59°54' W 515 feet to south side center, same bearing to the South West corner 1030 1/2 feet from the South East corner, this monument stands on high bluff 13 1/2 feet N. 59° 54' W from the true corner, the monument is a tree stump 4 1/2 inches in diam- 4 1/2 feet high surrounded by a large mound of stones, From true cor. thence N. 4° 49' W 300 feet to the West end center, the monument marking this point set in the saddle between two peaks same bearing 600 feet to North West corner a stake set in a mound of stones, this monument is on the South side line of the "New Strike No. 2" lode, thence S. 59°54' E 515 feet to North side center, same bearing 1030 1/2 feet to the North East corner, this corner is common with the S. E. cor. "new Strike No. 2" with the S. W. cor "Last Chance" and with the N. W. cor. of the Mammoth lode, thence 4° 49' E 300 feet to the east end center, the place of beginning, and shall be known as the Pine Tree Mine,

Witness
E. C. Stille

Wm. H. Allen Jr., O. F. Brant, Joseph Curtis
F. J. Arthur

Filed and recorded at request of Joseph Curtis Jan. 19th 1900
at 4 A. M. Book 15, Record of Mines, page 71.

TERRITORY OF ARIZONA:

County of Cochise. SS.

I, Frank Hare, County Recorder in and for said county, do hereby certify that I have compared the foregoing copy with the original Location Notice of the Pine Tree Mining claim, filed and recorded in my office on the 19th day of January, 1900, in Book 15, Record of Mines, page 71, 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 26 day of Dec. 1903.

Frank Hare
County Recorder.

NOTICE IS HEREBY GIVEN; That the undersigned in compliance with the requirements of Chapter VI, title 32 of the Revised Statutes of the United States and the local customs, laws and regulations, has this day located and claim 1500-fifteen hundred linear feet along the course of this lead, lode or vein of mineral bearing quartz, and 300-three hundred feet in width on each side of the middle of said lead, lode or vein, together with all timber growing within the limits of said claim, and all water and water privileges thereon or appurtenant thereto, situate in the Hartford Mining District, County of Cochise, and more particularly described as follows, to wit: Commencing at the West end center, corner with the East end center of the "Pine tree" lode, and running thence, S 4°49' E 300 feet to the South West corner of the claim, this corner is identical with the South East corner of the "Pine Tree" lode, a stake 3 1/2" diam. set in a large mound of stones, & may be identified by blazed bearing trees near by; the monument stands 20ft S 4° 49' E from true corner point. thence S 79° 56' E 650 feet to large monument, a 4" diam. stake set in a mound of stones, bearing trees, blazed, near by, thence south, 38° 58' E 850 feet to the South East corner of claim, a 3 1/2 diem post set in a large mound of stones; thence, N 4° 49' W 300 feet to the east end center this point is marked by a monument on the brink of a high bluff same bearing 600 feet to the North east corner, common with the South east corner of the "Last Chance" lode, this corner is marked by a 4" post set in a mound of stones, and blazed trees near monument thence N 38° 58' W 850 feet along south side line of "Last Chance" lode to a large monument, with bearing trees near by. thence N. 79° 56' W 650 ft to the N. W. cor. of claim common with the S. W. cor. of the "Last Chance" lode. thence S. 4° 49' E 300 feet to the West end center, the place of beginning, and shall be known as the Mammoth mine
 Located January 4th 1900

Witness. E. C. Stille

Wm. H. Allen Jr. O. E. Brant

Joseph Curtis F. J. Arthur

Filed and recorded at request of Joseph Curtis Jan 19th 1900
 at 9 A. M. Book 15, Record of Mines, page 70

TERRITORY OF ARIZONA,

County of Cochise, SS.

I, Frank Hare, County recorder in and for said county, do hereby certify that I have compared the foregoing copy with the original Location Notice of the Mammoth Mining Claim, filed and recorded in my office on the 19th day of Jan. 1900, in Book 15, Record of Mines, at page 70, 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 26th day of December, 1903.

Frank Hare

County Recorder.

Location Notice.

Notice is hereby given, that the undersigned in compliance with the requirements of Chapter VI, §2, of the Revised Statutes of the United States and the local customs, laws and regulations, has this day located and claim fifteen hundred linear feet along the course of this lead, lode or vein of mineral bearing quartz, and three hundred feet in width on each side of the middle of said lead, lode or vein, together 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, situate in the Huschua Mountains Hartford Mining District, County of Cochise and more particularly described as follows, to-wit:

Commencing at this monument of stone and running fifteen hundred feet in an easterly direction, the west end center joining the claim known as the New Strike No. 2 and shall be known as the White Fawn.

Located Oct. 31st 1899.

O. P. Brant
 . Allen Jr.
 Joseph Curtis
 F. J. Arthur

Filed and recorded at request of Joseph Curtis, Jan. 19, A. D. 1900,
 at 9 A. M. Book 15 page 70, Record of Mines.

Territory of Arizona,)

:SS.

County of Cochise.)

I, Frank Hare County Recorder in and for said County hereby certify that I have compared the above with the original location notice of the "White Fawn" mining claim, filed and recorded in my office on the 19th day of January 1900, in Book 15 page 70, Record of Mines, and that the same is a full, true and correct copy of such original and of the whole thereof.

Witness my hand and seal of office, this 11th day of June 1903.

Frank Hare
 County Recorder.

Notice of Mining Location.

Quartz Claim.

To All Who It May Concern: *This claim has been known as the Black of Canyon / 1300' relocated*
 This mining claim, the name of which is the *Lost Channel* Mining Claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purpose of exploration and purchase by *E. P. Cleland & H. J. Cleland*

the undersigned, on the *6* day of *October* 1897
 The length of this claim is *1500* *Fifteen hundred* feet, and we claim *750* *Seven hundred and fifty* feet in a *North westerly* direction and *750* *Seven hundred and fifty* feet in a *South easterly* direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with *300* *Three hundred* feet in width of the surface grounds, on each side of the center of said claim. The general course of the lode deposit and premises is from the

South East to the *North West*
 The claim is situated and located in the *Hartford* Mining District, in Cochise County, in the Territory of Arizona, about *1/4* *one quarter* miles in a *Southwesterly* direction from the head *mouth* fork of *Ash Canyon* *Abraham* *4th*

The surface boundaries of the claim are marked upon the ground as follows: beginning at a *monument of stone* about *30* feet west from a *spruce tree*

at a point in a *North westerly* direction *750* feet from the discovery shaft (at which this notice is posted), being in the center of the *North West* end line of said claim; thence *South West* *300* feet to a *monument of stone* being the *West* corner of said claim; thence *South East* *750* feet to a *monument of stone* at the center of the *South West* side line of said claim; thence *South East* *750* feet to a *monument* being at the *South* corner of said claim; thence *North East* *300* feet to a *monument of stone* at the center of the *South East* end of said claim; thence *North East* *300* feet to a *monument of stone*, being at the *East* corner of said claim; thence *North West* *750* feet to a *monument of stone* being at the center of the *North East* side line of said claim; thence *North West* *750* feet to a *monument of stone* at the *North* corner of said claim; thence *South West* *300* feet to the place of beginning.

All done under the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of the United States, and of an Act of the General Assembly of Arizona, entitled An Act concerning Mines approved March 20th, 1895,

(Dated and posted on the ground this *6* day of *October* 1897

E. P. Cleland /

H. J. Cleland /

Filed and recorded at request of *E. P. Cleland* Dec 2nd AD 1897 at *9 am* Book *14* page *470*, Record of Mines.

Territory of Arizona,)
:SS.
County of Cochise.

I Frank Hare County Recorder do and for said County
hereby certify that I have compared the foregoing copy with the original
location notice of the *La Chancel* mine, also, filed and recorded in my
office on the *2nd* day of Dec. 1897, in Book *12* page *420*, Record of Mines,
and that the same is a full, true and correct copy of such original and
of the whole thereof.

Witness my hand and seal of office, this *5th* day of *June* 1903.

Frank Hare
County Recorder.

LOCATION NOTICE.

NOTICE IS HEREBY GIVEN, That the undersigned, in compliance with the requirements of the Revised Statutes of the United States, have this day located and claim fifteen hundred linear feet along the course of this lead, lode or vein of mineral bearing quartz, and three hundred feet in width on each side of the middle of said lead, lode or vein, together with all mineral deposits contained therein, and all the timber growing within the limits of said claim, and all water and water privileges, thereon or appurtenant thereto, situate on the North Fork Ash Canyon, Huachuca Mountain Mining District, County of Cochise, and more particularly described as follows, to wit: Commencing at monument of stone and running in a South easterly direction, Seven hundred feet to masonry of stone and spring and Eight Hundred Feet in a North Westerly direction and three hundred feet on each side of ledge. The South Easterly end North Westerly side lines to connect with Last Chance and White Fawn Claims, properties of locators. The Southerly end of location also connects with New Hope mine Location, and shall be known as the Mountain Lion Mine.

Located Jan. 1st 1901.

Wm. H. Allen, Jr.

Witness.

O. F. Brant

J. C. Shrader

O. P. Clark

Jos. N. Curtis.

Joseph Curtis.

Filed and recorded at request of Joseph Curtis Mch. 13 A. D. 1901 at 1 P. M. Book 15, record of Mines, pages 255-6.

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 Mountain Lion Mining Claim, filed and recorded in my office on the 13th day of March, 1901, in Book 15, Record of Mines, at page 255-6, 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 21st day of March, 1904.

Frank Hare

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.

March 24th, 1904

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 Joseph Curtis

known as the White Fawn, Pine Tree, Mountain Lion, Lost Chance, Mammoth and New Strike No 2. situate in Hartford mining district, Cochise County, Arizona

in Section approximately, Township No. 23 S., Range No. 20 E. unsur. G. & S.R.B. & M. designated as Survey No.

executed by Geo. C. Clark, U. S. Deputy Mineral Surveyor, June 18 - 30, 1903, under my instructions dated June 15 th., 1903, have been critically examined and the necessary corrections and explanations made, and the said Field Notes and Return, and the Survey they describe, are hereby approved. A true copy of the copy of the location certificate filed by the applicant for survey is included in the field notes.

Frank S. Ingalls

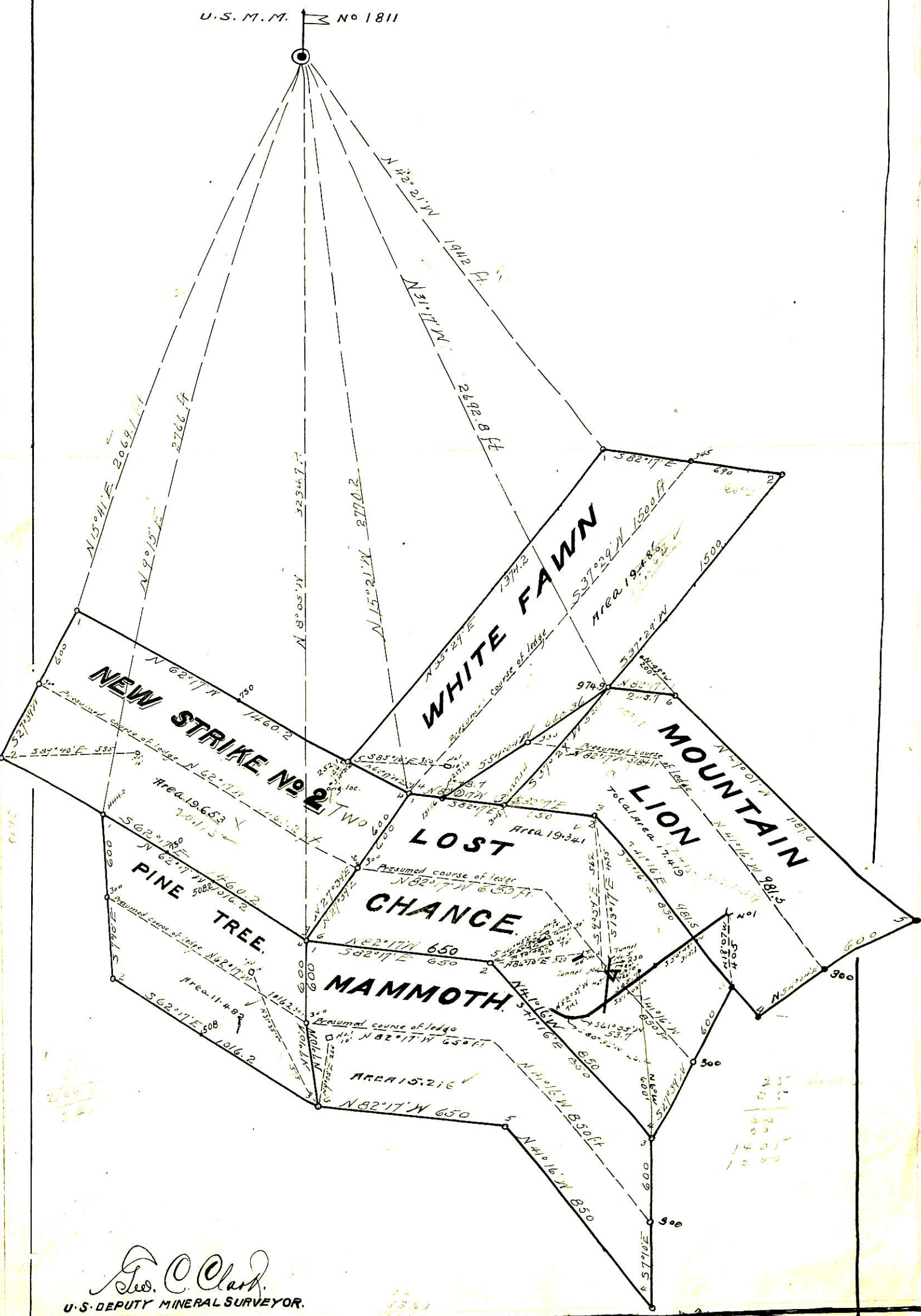
U. S. Surveyor-General for Arizona.

Survey Numb. 1811

30

400' = 1 INCH

U.S.M.M. No 1811



Geo. C. Clark
U.S. DEPUTY MINERAL SURVEYOR.