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W. H. Morgan, 100 T. 100

Notes

Notes copied

(4-683.)

Mineral Survey No. 1666

Lot No.

Gila

Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Dos Cabezas Consolidated
Mines Co.

KNOWN AS THE

Carnal - Frankoe Springs & Widge
Dos Cabezas

Mining District,

Cochise

County, Arizona

Section ~ Township 14 S, Range 27 E (unsurveyed)

Surveyed under instructions dated Apr 28, 1902.

by John A. Rockwell
U. S. Deputy Mineral Surveyor

Claim located Nov 18, 1892 - Sept 6, 1893

Survey commenced Aug 14, 1893 - Jan 11, 1902

Survey completed June 28, 1902

4-100

Address of claimant's Agent
Henry A Morgan
Wickenburg
Ariz.

PRELIMINARY OATHS OF ASSISTANTS IN SURVEY OF MINING CLAIM.

WE, James M. Platt and Guy Emmons
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 Doc Cabezas Consolidated
Miner Co, known as the
Carnel, Frank's Springs & Wedge
situate in Doc Cabezas mining district,
Cochise County, Ariz,
in Section _____, Township No. 148, Range No. 278 unsurveyed

James M. Platt, Chainman.
Guy Emmons, Chainman.

Subscribed and sworn to by the above-named persons before
me this 23 day of June, 1802

John A. Rockwell
Notary Public

MY COMMISSION EXPIRES APR. 14, 1903

I, _____, do solemnly swear that I will well and
truly perform the duties of axeman, 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.

_____, Axeman.

Subscribed and sworn to by the said _____
before me this _____ day of _____,
18 _____.

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 _____,
18 _____.

SURVEY No. 1666.

CARMEL LODE.

Beginning at Cor. No. 1, identical with location.
A pine post 4 ins. sq., 3 ft. above ground in
mid. of stone, scribed NWC-C to which I add
1-1666

Thence: Var. $11^{\circ}50'E$.

1. U. S. L. M. No. 1542 brs. N. $11^{\circ}58'W$. 825.6 ft.
2. Initial Wnt. of Carmel Location brs.
S. $55^{\circ}E$. 535.6 ft.
3. A cross (x) and BR1-1666 chiseled on
limestone bedrock brs. N. $54^{\circ}20'E$. 6.0 ft.
4. A cross (x) and BR1-1666 chiseled on
limestone bedrock brs. N. $74^{\circ}20'W$. 6.0 ft.
5. A cross (x) and BR1-1666 chiseled on
limestone bedrock brs. S. $44^{\circ}30'E$. 6.4 ft.
6. Cor No 4 dup 1542 Fraction Lode brs. N. $18^{\circ}17'W$. 167.6 ft.

Feet

610.

Gulch 15 ft. wide tributary to Ivanhoe
Spring Canyon course S. S. W.

840

Cross N.E. cor. of engine house

865.5

Pt. midway between rails of car track
at mouth of Forman Tunnel.

Thence:

1. Course of track and tunnel N. $15^{\circ}47'E$.
2. A drill driven in ground as initial
point of tunnel location brs. N. $15^{\circ}15'E$. 6.4 ft.
3. The N.E. cor. of engine house mentioned
brs. N. $12^{\circ}04'W$. 24.9 ft. Engine house
20 x 36 ft. Front (20 ft.) parallel with
course of tunnel.
4. S.W. cor. of blacksmith shop brs.
S. $50^{\circ}34'E$. 08 ft. Shop 15 x 18 ft. Front (15 ft.)
parallel with course of tunnel.

1065

Center of Ivanhoe Springs Canyon 18 ft.
wide, course S. E.

1095

Road Dos Cabezas to Ivanhoe Springs
brs. N. and S.

1477.5

To Cor. No. 2, identical with location.

A pine post 6 ins. diam., 3 ft. above
ground in mid. of stone, scribed S.W.C.-C
to which I add 2-1666. Also scribed
N.W.C.-MF (Monk's Folly). Situate on steep
bank of a ravine tributary to Ivanhoe

Feet.

Springs Canyon.

Thence: Va. 14° 05' E.

- 1. A cross (x) and BT 2-1666 scribed on a blaze on oak stump 15 ins. diam. brs. S. 2° 25' W. 25 ft.
- 2. A cross (x) and BT 2-1666 scribed on a blaze on oak stump 8 ins. diam. brs. S. 52° 45' E. 44.8 ft.
- 3. A cross (x) and BTC (not space for number) scribed on a blaze on an oak stump 8 ins. diam. brs. N. 32° 10' E. 26.0 ft.

Thence N. 68° 23' E.

- 70 Road brs. N. W. and S. E.
- 100 Ivanhoe Springs Canyon 20 ft. wide. Course S. S. E.
- 300 S. Center End, identical with location. A pine post 4 ins. sq. 3 ft. above ground in mid. of stone, scribed SCE-C to which I add 1666 — also scribed NCE-MF (Monk's Folly)
- 375 trail across main divide on lateral backbone
- 585 Gulch 10 ft. wide course south.
- 600 To Cor. No. 3, identical with location. A pine post 4 ins. sq. 3 ft. above ground in mid. of stone, scribed SEC-C to which I add 3-1666 — also scribed NEC-MF (Monk's Folly).

Thence: Va. 13° 15' E.

- 1. A cross (x) ^{and} BT 3-1666 scribed on a blaze on oak tree 8 ins. diam. brs. N. 16° 03' E. 17.9 ft.
- 2. A cross (x) and BT 3-1666 scribed on a blaze on oak stump 12 ins. diam. brs. N. 49° 27' W. 20.0 ft.
- 3. A cross (x) and BT 3-1666 scribed on a blaze on oak stump ^{18 ins. diam.} brs. S. 26° 16' W. 20.8 ft.

Thence N. 21° 37' W.

- 89.5 Pt. 15 ft. left mouth of cut and tunnel.
- 110 Gulch 10 ft. wide course south
- 620 Pt. 112 ft. left West Center end Black Princess Claim. — an unworked

Feet

- 950 Pt. 93 ft. left, S. Center end New Hope Claim.
- 1195 Pt. 140 ft. left, S. W. cor. Transit claim ^{unsurveyed}
- 1477.5 To Cor. No. 4 identical with location ^{unsurveyed}
 A pine post 4 ins. sq. 3 ft. above ground in
 mid. of stone, scribed NEC-C to which I
 add 4-1666
- Whence: Va. $12^{\circ}20'E$
1. A cross (x) and BR 4-1666 chiseled on porphyry bedrock brs. $N. 68^{\circ}47'W. 6.7$ ft.
 2. A cross (x) and BR 4-1666 chiseled on porphyry bedrock brs. $S. 86^{\circ}30'E. 2.$ ft.
 3. The S. E. cor. Moriah ^{uncor} also N.E. cor. Token ^{uncor} claims brs. $S. 48^{\circ}07'E. 178.9$ ft.
 4. S. W. cor. Agurite claim ^{uncor} brs. $N. 66^{\circ}39'E. 96.5$ ft.
 5. S. center end Black Prince claim ^{uncor} brs. $S. 83^{\circ}21'E. 95.2$ ft.

- Thence $S. 68^{\circ}23'W.$
- 21 Trail across mountains brs. N. and S.
- 22.5 Old mint.
- 44.4 Intersect line 2-3 Sur. No. 1542 Fraction Lode at $N. 8^{\circ}10'E. 314.5$ ft. from Cor. No. 3
- 300 Pt. for N. Center End falls upon a sloping rock not suitable for monument - chisel across. Establish a witness cor. at old location center $S. 68^{\circ}23'W. 5.4$ ft. A pine post 4 ins. sq. 3 ft. above ground in mid. of stone, scribed NCE-C to which I add WC 1666
- Whence: Va. $13^{\circ}10'E$
1. A cross (x) and BR 1666 chiseled on porphyry bedrock brs. $S. 75^{\circ}E. 2.9$ ft.
 2. A cross (x) and BR 1666 chiseled on porphyry bedrock brs. $S. 24^{\circ}44'W. 2.5$ ft.
 3. A cross (x) and BR 1666 chiseled on porphyry bedrock brs. $N. 54^{\circ}05'W. 3.4$ ft.
- 340 Center of gulch 10 ft. wide, course S.
- 442.8 Intersect line 3-4 Sur. No. 1542 Fraction Lode at $N. 63^{\circ}12'W. 364.9$ ft. from Cor. No. 3.
- 600 To Cor. No. 1 the place of beginning.

Note: the area in conflict noted above between Carmel and Fraction Lodes was excluded

from the Fraction Lode in Sur. No. 1542, and is now included in Carmel Lode area.

IVANHOE SPRINGS LODE.

Beginning at Cor. No. 1, identical with location. A pine post 4 ins. sq. 3 ft. above ground in mid. of stone, scribed NEC-15 to which I add 1-1666

Thence: Va. 12° 10' E.

- 1. 2l. S. L. M. No. 1542 brs. N. 22° 18' E. 230 ft.
- 2. A cross (x) and BR1-1666 chiseled on porphyry bedrock brs. S. 15° 25' E. 3.3 ft.
- 3. A cross (x) and BR1-1666 chiseled on porphyry bedrock exposing 24" x 8" brs. N. 68° 32' W. 11 ft.
- 4. A cross (x) and BR1-1666 chiseled on porphyry bedrock exposing 30" x 15" brs. N. 29° 33' E. 7.9 ft.

Thence S. 4° 25 1/2' E.

- Feet 2154 Intersect line 2-3 Sur. No. 1542 Emersley Lode at N. 43° 08' W. 280.0 ft. from Cor. No. 2.
- 370 Pt. 12 ft. rt. N.E. Cor. Ivanhoe Springs Claim located by Josef Schwertner.
- 410 Pt. 60 ft. rt. S.E. Cor. Oregon Lode
- 700 Pt. 30 ft. rt. face of cut
- 1080 Center of Ivanhoe Springs Canyon 10 ft. wide course S.E.
- 1120 Road Ivanhoe Springs to Dos Cabezas brs. N.W. and S.E.

1444 To Cor. No. 2, identical with location. An oak post 5 ins. diam. 3 ft. above ground in mid. of stone, scribed SEC-15 to which I add 2-1666

Thence: Va. 14° 10' E.

- 1. A cross (x) and BT2-1666 scribed on a blaze on oak stump 14" diam. brs. S. 22° 11' E. 20.9 ft.
- 2. A cross (x) and BR2-1666 chiseled on porphyry bedrock brs. N. 65° 59' W. 5.8 ft.

Thence S. 85° 16' W.

Feet.

- 293.9 S. Center end, identical with location.
An oak post 5 ins. diam. 3 ft. above ground
in mid. of stone, scribed SCE-1.S. to which
I add 1666
- 587.1 To Cor. No. 3, identical with location.
An oak post 5 ins. diam. 3 ft. above ground
in mid. of stone, scribed SWC-1.S. to which
I add 3-1666
Thence: Va. $14^{\circ}05' E$.
1. A cross(x) and BR 3-1666 chiseled on
porphyry bedrock brs. N. $80^{\circ}37' E$. 20.5 ft.
2. A cross(x) and BR (not space for number)
on porphyry bedrock brs. N. $34^{\circ}53' W$. 9.5 ft.
Thence N. $4^{\circ}51' W$.
- 835 Gulch 6 ft. wide tributary to Ivanhoe
Springs Canon course S. E.
- 1430 Wash of side gulch 5 ft. wide, course E. S. E.
- 1444 To Cor. No. 4, identical with location.
An oak post 5 ins. diam. 3 ft. above
ground in mid. of stone, scribed N.WC-1.S.
to which I add 4-1666
Thence: Va. $15^{\circ}00' E$.
1. A cross(x) and BT 4-1666 scribed on a
blaze on oak tree 14" diam. brs. S. $53^{\circ}09' W$. 70 ft.
2. A cross(x) and BR 4-1666 chiseled on
porphyry boulder exposing 50 x 30 ins.
brs. N. $38^{\circ}03' E$. 11.6 ft.
3. A cross(x) and BR 4-1666 chiseled on
porphyry boulder exposing 84 x 60 ins.
brs. S. $59^{\circ}40' E$. 20.5 ft.
Thence N. $85^{\circ}16' E$.
- 100 Center of road, brs. N. and S.
- 127.5 9 ft. right, center of deep shaft.
- 220 Ivanhoe Canyon 10 ft. wide brs. N. and S.
- 298 N. Center end, identical with location.
A pine post 4 ins. sq. 3 ft. above ground in
mid. of stone, scribed NCE-1.S. to which I
add 1666
Thence:
1. A cross(x) and BT 1666 scribed on a blaze

Feet

- on oak tree 14" diam. brs. N. 22° 02' E. 3.4 ft.
 2. A cross (x) and BR 1666 chiseled on porphyry
 bedrock brs. S. 52° 41' E. 15.7 ft.
 3. Initial Monument brs. S. 4° 40' E. 303.5 ft.
 425.9 Intersect line 2-3 Sur. No. 1542 Emersley Lode
 at N. 43° 08' W. 554.8 ft. from Cor. No. 2
 577.8 To Cor. No. 1, the place of beginning.

WEDGE LODE

Beginning at Cor. No. 1, identical with location
 A juniper post 4 x 6 ins. 3 ft. above ground
 in mid. of stone, scribed NEC-W to
 which I add 1-1666

Whence: Va. 15° 25' E.

- 1 U. S. L. M. No. 1542 brs. N. 8° 46' W. 487.7 ft.
- 2 A cross (x) and BT 1-1666 scribed on
 north stem of oak tree 10" diam. brs.
 S. 70° 57' E. 29.3 ft.
- 3 A cross (x) and BR 1-1666 chiseled on por-
 phiry rock in place exposing 24 x 24 x
 12 ins. brs. N. 29° 07' E. 5.9 ft.
- 4 A monument of stone brs. S. 25° 23' W. 81.5 ft.
- 5 Cor. No. 4 Sur 1542 Fraction Lode brs. S. 14° 51' E. 173.4 ft.
- 6 Cor. No. 2 Sur 1542 Emersley Lode brs. S. 17° 34' E. 156.2 ft.

- 134.6 Intersect line 4-1 Sur. No. 1542 Fraction
 Lode also line 2-1 Emersley Lode at N. 8° 10' E
 42.8 ft. and 24.4 ft. from Cors. No. 4 and 2
 respectively.
- 196.2 Intersect line 4-3 Sur. No. 1542 Fraction
 Lode at S. 63° 12' E. 32.7 ft. from Cor. No. 4
- 339.1 Intersect line 1-4 Carmel Lode of this
 survey at N. 68° 23' E. 32.4 ft. from Cor. No. 1
- 365 Small mint. on line
 750 E. Center side. A cross (x) chiseled on rock
 in place also ECS-W to which I add 1666.
 Witnessed by a mint. 3 1/2 ft. high, 5 ft. right.
 Gulch 10 ft. wide course S.S.W.
- 900
 925 Cut and tunnel
 1400 Enter wash of Ivanhoe Springs Canyon.
 1500 To Cor. No. 2, identical with location.
 A juniper post 4 ins. sq., 3 ft. above ground
 in mid. of stone scribed SEC-W to which

Feet

I add 2-1666

Whence: Va. $12^{\circ} 00' E$.

1. A cross (x) and BT 2-1666 scribed on a blaze on oak tree 6" diam. brs. S. $69^{\circ} 57' E$ 48.4 ft.
2. A cross (x) and BR 2-1666 chiseled on porphyry boulder exposing 36" x 40" brs. N. $15^{\circ} 18' E$ 9.3 ft.
3. A cross (x) and BT 2-1666 scribed on a blaze on oak stump 12" diam. brs. S. $83^{\circ} 49' W$ 22.4 ft.

Thence S. $68^{\circ} 00' W$.

3 Leave gulch

40 Road brs. N.W. and S.E.

40.2 Intersect line 1-2 Carmel Lode of this survey at S. $21^{\circ} 37' E$ 116.1 ft. from Cor. No. 1

300 S. Center end, identical with location. An oak post 5 ins. diam. 3 ft. above ground in mid. of stone, scribed SCE-W to which I add 1666

Whence: Va. $14^{\circ} 05' E$.1. A cross (x) and BT 1666 scribed on oak stump 14" diam. brs. S. $39^{\circ} 20' E$ 13.9 ft.2. A cross (x) and BR 1666 chiseled on porphyry bedrock brs. N. $18^{\circ} 32' E$ 10.2 ft.3. Initial Mint brs. N. $22^{\circ} W$ 500 ft.

600 To Cor. No. 3, identical with location. An oak post 5" diam. 3 ft. above ground in mid. of stone scribed SNC-W to which I add 3-1666

Whence: Va. $13^{\circ} 05' E$.A cross (x) and BR 3-1666 chiseled on porphyry bedrock brs. S. $72^{\circ} 10' E$ 6.7 ft.Thence N. $22^{\circ} 00' W$.403 Intersect line 2-3 Swanhol Springs Lode of this survey at S. $85^{\circ} 16' W$ 120.9 ft. from Cor. No. 2.

750 West Center side, identical with location. A juniper post 5" diam. 3 ft. above ground in mid. of stone scribed WCS-W to which I

- Feet
- add 1666.
- 950 Road brs. N.W. and S.E.
- 1000 Pt. 55 ft. rt. boarding house
- 1055 Ivanhoe Spring in Canyon.
30 ft. rt. office building
- 1123.5 S.W. cor. Assay office on line.
- 1270 Recross Ivanhoe Springs Canyon brs. N. and S. 15 ft. wide.
40 ft. left N.E. cor. Bunk's house.
- 1500 To Cor. No. 4 identical with location.
A juniper post 5" diam. 3 ft. above ground, in mid. of stone, scribed NWC-W to which I add 4-1666
Thence: Va. $14^{\circ}10' E$.
1. A cross (x) and BT 4-1666 scribed on blaze on oak tree 12" diam. brs. S. $14^{\circ}06' W$. 56.8 ft.
 2. A cross (x) and BT 4-1666 scribed on blaze on N. stem of oak tree 8" diam. brs. N. $31^{\circ}28' W$. 49 ft.
 3. A cross (x) and BT 4-1666 scribed on blaze on oak tree 10" diam. brs. S. $86^{\circ}34' E$. 36.6 ft.
- Thence N. $68^{\circ}00' E$.
- 70 Ivanhoe Springs Canyon 15 ft. wide brs. N. and S.
- 300 N. Center end, identical with location.
A juniper post 5 ins. diam. 3 ft. above ground in mid. of stone, scribed NCE-W to which I add 1666
- 452.8 Intersect line 1-2 Ivanhoe Springs Lode of this survey at N. $4^{\circ}25\frac{1}{2}' W$. 1118.7 ft. from Cor. No. 2.
- 526.4 Intersect line 2-3 Swr. No. 1542 Emersley Lode at N. $43^{\circ}08' W$. 167.7 ft. from Cor. No. 2
- 540 Pt. 55 ft. rt. a large stone monument.
- 600 To Cor. No. 1, the place of beginning.

AREA.	Acres.
Carmel lode	20.350
Ivanhoe Springs lode 19.64	
Less area in conflict with	
Survey N ^o 1542 Emerley lode .425	
Net Area Ivanhoe Springs lode	19.215
Wedge lode 20.660	
Less area in conflict with	
Sur N ^o 1542 Emerley lode .148	
Sur. N ^o 1542 Fraction lode .015	
Carmel lode this survey .967	
Ivanhoe Springs lode " 6.902	
20.66 -	8.032
Net area Wedge lode	12.628
Total Net Area	52.193

Location

This claim is located in Hoop Cabezas Mining District, Cochise Co, Arizona, about one mile south easterly from the Hoop Cabezas Peaks on west slope of the main divide

The courses of the ledges as nearly as can be determined by present developments are as follows:-

Carmel lode N. 21° 37' W. about 100 ft and S. 21° 37' E about 200 ft from the initial monument

Ivanhoe Springs lode S 4° - 40' E about 500 ft from the N. center end.

Wedge lode N. 22° W and S 22° E., extent uncertain, from the initial monument.

Adjacent claims are:

Oregon, Savell & Hanson claimants;
 Inorah, Transit, Token, Black Princess
 New Hope, Monks Folly, Ivanhoe Springs
 Black Jack, California (unsurveyed)
 South Emerley & Fraction lodes Sur.
 No 1542 Hoop Cabezas Consolidated
 Tunies Co claimants.

Expenditure of Five Hundred Dollars.

I certify that the value of the labor and improvements placed upon this claim placed thereon by the claimants and the grantors is not less than Fifteen hundred dollars, and that said improvements consist of:

Carmel Lode.

1. Discovery cut, the face of which bears from Initial monument S. $1^{\circ}30'E$. 51 ft. Course of cut N. $50^{\circ}E$. length 20 ft. height 10 ft. Southerly the cut extends 50 ft. averaging 12 ft. wide.

Value \$300

2. A cut and tunnel the mouth of which bears from Initial monument S. $35^{\circ}W$. 40 ft. length of cut 12 ft.; of tunnel 20 ft. course N. $50^{\circ}E$.

Value \$300

3. A cut and tunnel the mouth of which bears from Cor. No. 1 S. $25^{\circ}E$. 586 ft.; length of cut 12 ft.; of tunnel 8 ft. course N. $50^{\circ}E$.

Value \$150

4. A cut and tunnel the mouth of which bears from Cor. No. 1 S. $21^{\circ}37'E$. 865.5 ft.; course of cut and tunnel N. $15^{\circ}47'E$. 859 ft. thence N. $36^{\circ}W$ about 900 ft.

Value of cut and tunnel on Carmel ground \$12000.

5. A cut and tunnel the mouth of which bears from Cor. No. 3 N. $31^{\circ}08'W$. 91 ft.; course of cut and tunnel N. $84^{\circ}30'W$. length of cut 14 ft.; of tunnel 10 ft.

Value \$150

Joanhol Springs Lode.

1. Discovery work; ^{cut and} a tunnel of which the face of cut and portal of tunnel brs. S. $4^{\circ}45'E$. 315 ft. from N. Center end; course of cut N. $70^{\circ}E$; of tunnel N. $22^{\circ}E$; length of cut 17 ft. of tunnel, including lateral, at least 200 ft.

Value \$2200.

2. A shaft the center of which bears from Cor. No. 4 N. $89^{\circ}20'E$. 128.4 ft. Shaft 6×4 ft. timbered at least 70 ft. deep
Value \$1000
3. A cut and tunnel the mouth of which bears from N. Center end S. $0^{\circ}40'E$. 360 ft.; length of cut 17 ft. width 5 ft. height of face 12 ft.; course N. $80^{\circ}E$. Tunnel closed by door locked.
Value of cut \$100
4. A cut the mouth of which bears from N. Center end S. $9^{\circ}E$. 460 ft. Length of cut 21 ft. width 5 ft. height of face 9 ft. course north.
Value \$100

Wedge Lode.

Discovery cut the face of which bears from Initial monument N. 8 ft. course of cut South. Length 15 ft. width $4\frac{1}{2}$ ft. height of face 9 ft.
Value \$100

As the three locations of this claim are adjacent and all lie in the same general mineral belt work on one must benefit all, hence I assign \$200 work from Ivanhoe Springs and \$200 work from Carmel Lodes to the Wedge lode.

Other Improvements.

1. A power house with engine and air compressor the N.E. cor. of which brs. from a point on west side of Carmel Lode 865.5 ft. from Cor. No. 1, N. $12^{\circ}04'W$. 24.9 ft. Building 20×36 ft. Front (20 ft.) brs. N. $16^{\circ}E$.
2. A blacksmith shop the S.W. cor. of which bears from same point S. $50^{\circ}34'E$. 8 ft. Building 15×18 ft. Front (15 ft.) brs. N. $16^{\circ}E$.
3. A boarding house 32×16 ft. course of long side N.W. and S.E., which bears N. $8^{\circ}50'W$. 1005 ft.

- from Cor. No. 3 of Hedge Lode.
4. Office building 42×12 ft. course of long side N. W. and S. E., which brs. from same point N. $20^{\circ}22'W.$ 1058 ft.
 5. Assay office 42×12 ft. course of long side E. and W., the S. W. cor. of which brs. from same point N. $22^{\circ}W.$ 1123.5 ft.
 6. Bunk house 32×12 ft. course of long side N. and S., the N. E. cor. of which brs. from Cor. No. 4 of Hedge Lode S. $4^{\circ}31'E.$ 230 ft.
 7. A cut 14×6 ft. 9 ft. face, discovery work - Ivanhoe Springs Claim located by J. Schwenner brs. from Cor. No. 1 Ivanhoe Springs Lot of this survey S. $0^{\circ}30'E.$ 705 ft.
 8. W shaft 6×4 ft. 10 ft. deep, discovery work Black Princess Claim brs. from Cor. No. 4 of Carmel Lode S. $15^{\circ}E.$ 795 ft.
- All claimed by Dos Cabezas Consolidated Mines Co.

This survey was made with a Young & Sons Mountain Transit No. 6855. The courses were deflected from the true meridian as determined by direct solar observations. The distances were measured by 500 ft. and 100 ft. steel tapes.

Tombstone, Ariz. John A. Rockfellow
July 2 1902 U. S. Dep. Min. Surveyor

Subscribed and sworn to
before me, this third day
of July nineteen hundred and two,

Frank C. Willard
Notary Public

My commission expires May 13, 1906

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by John A. Rockefeller
 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 Dos Cabezas Con. Mines Co
 known as the Carmel, Irauhoe Springs & Wedge
 and showing the respective capacities in which they acted.

James M. Platt, Chainman.
Guy Emmons, Chainman.
 _____, Axman.
 _____, Flagman.

FINAL OATHS OF ASSISTANTS.

We, James M. Platt
 and Guy Emmons, do solemnly swear that we assisted John A. Rockefeller, United States Deputy Mineral Surveyor, in marking the corners and
 surveying the boundaries of the mining claim of
Dos Cabezas Con. Mines Co
 known as the Carmel
Irauhoe Springs & Wedge, 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

James M. Platt, Chainman.
Guy Emmons, Chainman.
 _____, Axman.
 _____, Flagman.

Subscribed and sworn to by the above-named persons before me
 this 4th day of July, 1902

John A. Rockefeller
 Notary Public

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by John A. Rockefeller
 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: Dor Cabezas Bon Mines Co
 known as the Carnel Franho Springs & Wedge
 and showing the respective capacities in which they acted.

James M. Platt, Chairman.
Guy Emmons, Chairman.
 _____, Arman.
 _____, Flagman.

FINAL OATHS OF ASSISTANTS.

We, James M. Platt
 and Guy Emmons, do solemnly swear that we assisted John A. Rockefeller
A. Rockefeller United States Deputy Mineral Surveyor, in marking the corners and
 surveying the boundaries of the mining claim of Dor Cabezas
Bon. Mines Co
~~Franho Springs & Wedge~~, known as the Carnel
Franho Springs & Wedge, 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

Guy Emmons, Chairman.
James M. Platt, Chairman.
 _____, Arman.
 _____, Flagman.

Subscribed and sworn to by the above-named persons before me
 this 9th day of August, 1902

John A. Rockefeller
Mary P. ...

FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR

I, John A. Rockefeller, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated Apr 28 1902, 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 Dos Cabezas Consolidated Mine Co, known as the Carnel, Madge & Inchausti Springs, situate in Dos Cabezas Mining District, Cochise County, Ariz. in Section Township No. 14 S. Range No. 27 E unsurveyed and designated as Survey No. 1666, 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 their 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.

John A. Rockefeller
U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said John A. Rockefeller
U. S. Deputy Mineral Surveyor, before me Frank C. Willard
this 3d
day of July 1902.

Frank C. Willard
Notary Public
My commission expires May 13, 1906

Affidavit of Five Hundred Dollars Improvements.

we, Dan. Grimes, and James M. Platt

of lawful age, being first duly sworn according to law, depose and say: that we are

acquainted with the Carroll, Frank & Sping. Wedge mining claim, situate

in Dos Cabezas Mining district, Cochise County,

Arizona Territory, for which Dos Cabezas Consolidated
Mines Co

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 improve-

ments made thereon by the applicants and their grantors exceed Fifteen Five Hundred

Dollars in value, and further that we are not personally interested in said mine.

Dan Grimes

James M. Platt

TERRITORY OF ARIZONA,
County of Cochise } ss:

Sworn to and subscribed before me, this 28th

day of June, 1891 1902

John A. Rockefeller
Notary Public

The Carmel Lode. Location Notice.

The undersigned hereby locates and claims fifteen hundred feet on the Carmel Lode measuring 300 feet - somewhere near to North Northwest Magnetic Meridian and 1200 feet South southeast from the discovery monument, which stands on the westerly slope of Carmel Ridge about 450 feet Northeasterly from the junction of Transit Ravine with Ivanhoe course. He also claims the full surface width allowed by law and defines his boundaries by placing the end center and corner monuments on lines at right angles to the apparent course of the lode.

Los Cabezas Mining District)	John D. Emersley.
Cochise County, Territory of)	
Arizona November 18th 1892)	

Filed and recorded at request of John D. Emersley January 9th A.D., 1893 at 9 A.M. Book 9, Record of Mines, page 298, records of Cochise County, Arizona Territory.

The Carmel Lode and Mine ____ A rectified Location Notice.

On the date herein stated, the undersigned having discovered a mineral lode in place lying and being outlined on the western slope of Carmel Ridge, in the Dos Cabezas Mining District, County of Cochise, Territory of Arizona, does hereby locate and claim fifteen hundred feet thereon, under the name of the Carmel Lode and mine measuring approximately, North Northwesterly four hundred and fifty feet, and south southeasterly one Thousand and fifty feet from the discovery monument, which stands on the crop-pings, about four hundred and fifty feet northeasterly from the point of junction between Ivankae Canon and Transit ravine.

Where the surface is not already claimed the width of the location, as indicated by end center and corner monuments, is six hundred feet.

Discovered and located) John D. Emersley
September 6th 1893.) Locator.

Filed and recorded October 23rd. A.D., 1893, at request of J.D. Emersley at 9 A.M. Book 9, page 340, Record of Mines, records of Cochise County, Arizona.

The Ivanhoe Springs Lode and Mine, Location Notice.

On the date herein stated the undersigned having discovered a mineral lode in place, lying and being on the western slope of Tower Hill in the Dos Cabezas Mining district, County of Cochise, Territory of Arizona, does hereby locate and claim fifteen hundred feet thereon, under the name of the Ivanhoe Springs lode and mine, measuring northerly three hundred and twenty five feet, and southerly eleven hundred and seventy five feet, from the discovery monument, which stands on the east side of Ivanhoe Canon about six hundred and thirty feet northerly from the upper Ivanhoe Springs.

Where the surface is not already claimed, the width of the location is indicated by end center and corner monuments is six hundred feet.

Discovered and located)	John D. Emersley.
August 14th 1893.)	Locator.

Filed and recorded at request of J.D. Emersley Oct. 23rd. A.D., 1893 at 9 A.M. Book 9, page 340, Record of Mines, records of Cochise County, Arizona.

NOTICE OF MINING LOCATION.

LODE CLAIM.

To All Whom It May Concern:

This mining claim, the name of which is the Wedge 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 A. Prenzlauer the undersigned, on the 11th day of January 1900

The length of this claim is fifteen hundred feet, and I claim one thousand feet in a N. 22° W direction and five hundred feet in a E 22° E. direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with three hundred feet in width of the surface grounds, on each side of the center of said claim. The general course of the lode deposit and premises is from the N. 22° W to the S 22° E

The claim is situated and located in the Dos Cabezas Mining District, in Cochise County, in the Territory of Arizona, about four miles in a Northerly direction from Dos Cabezas; on the southerly side of Ivanhoe Springs Canyon; about 650 feet S. E. from cabin occupied by John D. Emersley dead by the side of Ivanhoe Springs to the location mt with notice of location, whence a 20" white oak stump blazed bears westerly 17 feet, also a on 12" white oak bears southerly 26.5 feet

The surface boundaries of the claim are marked upon the ground as follows: Beginning at stone monument at a point in a N 22° W direction 1000 feet from the discovery shaft (at which this notice is posted), being in the center of the North end line of said claim; thence S 68° W 300 feet to a mt of stones, being the North West corner of said claim; thence S 22° E 750 feet to a mts of stones at the center of the West side line of said claim; thence S 22° E 750 feet to a mts of stones being at the South West corner of said claim; thence N. 68° E 300 feet to a mt of stones at the center of the South end of said claim; thence N. 68° E. 300 feet to a mt of stones, being at the South East corner of said claim; thence N. 22° W. 750 feet to a mt of stones being at the center of the East side line of said claim; thence N 22° W 750 feet to a mt of stones at the North East corner of said claim; thence S 68° W 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 20, 1895 and amended March 2d. 1899

Dated and posted on the ground this 11th day of January 1900

Locator A Prenzlauer

by J. E. Dockweiler Agent

Witness

W. S. Wollacott

Filed and recorded at the request of A Prenzlauer Jan 22nd 9 A.M. A.D. 1900. Book 17, page 365, Record of Mines, Records of Cochise County, Arizona.

Territory of Arizona)
) ss.
 County of Cochise)

I, Frank Hare, County Recorder in and for said county, do hereby certify that the foregoing location notice of the Carmel mining claim recorded Book 9, page 298; amended recorded Book 9, page 340; of the Ivanhoe Springs mining claim, recorded Book 9, page 340; and of the Wedge mining claim, recorded Book 17, page 365, respectively, of Record of Mines, of the records of Cochise County, Arizona Territory, are full, true, and correct copies as the same appear of record as aforesaid.

Witness my hand and seal of office this 5 day of April, 1902.

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,

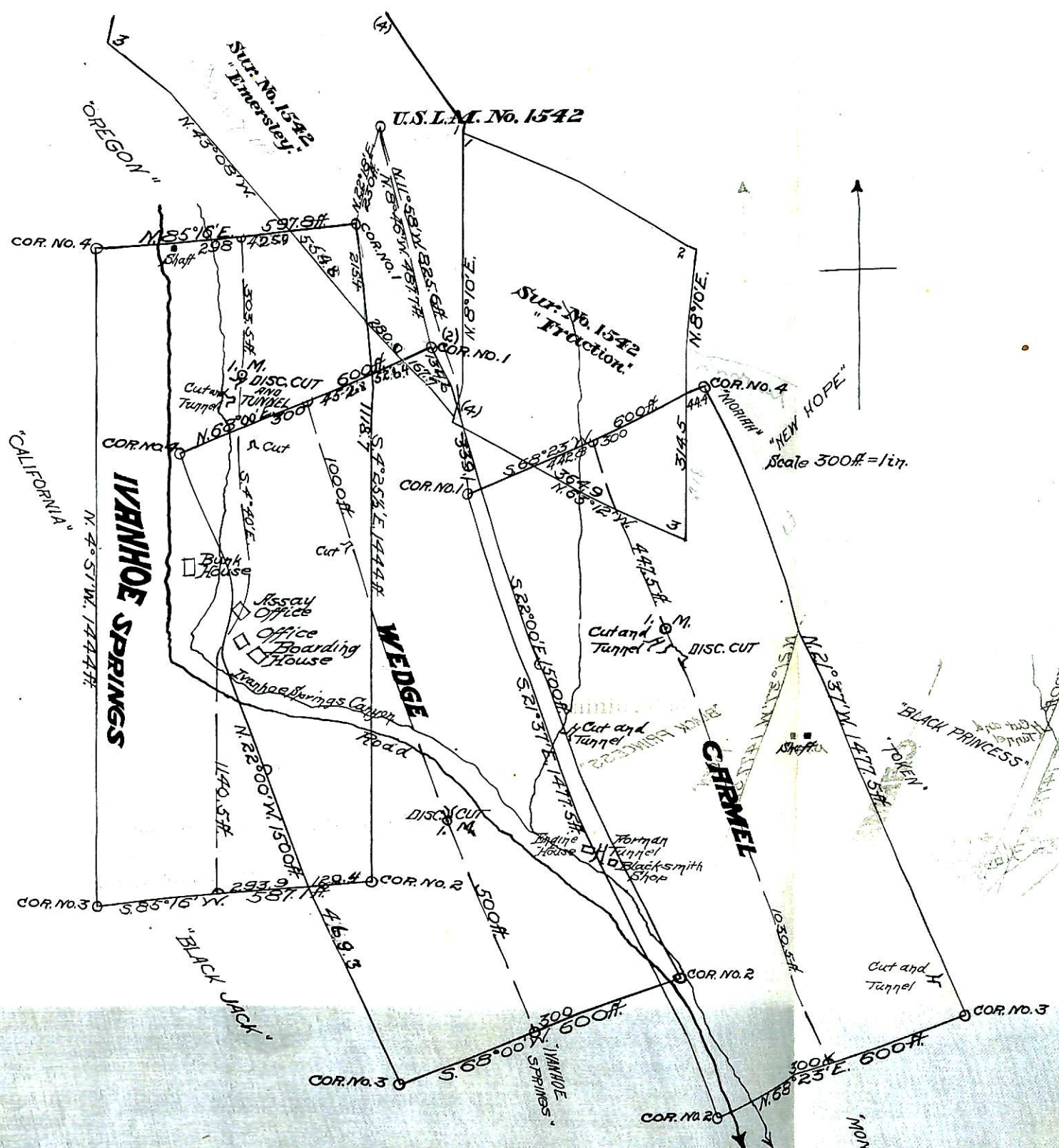
Phoenix, Arizona.

Nov. 12, 1902, 18

I, U. S. Surveyor General for the District of Arizona, do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the Mining Claim of Dos Cabezas Consolidated Mines Co., situated in Dos Cabazas mining district, Cochise County, Arizona, in Section , Township No. 14 S., Range No. 27 E. (unsurveyed) designated as Survey No. 1666, executed by John A. Reekfellow, U. S. Deputy Mineral Surveyor, June 23 to 28, 1902, 18 , under my instructions dated April 28, 1902, 18 , 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.



U. S. Surveyor General for Arizona.



SURVEY No. 1666
GILA LAND DISTRICT
 Surveyed June 23-28, 1902,
 by John A. Rockfellow,
 U.S. DEP. MIN. SURVEYOR.

Scale 300 ft = 1 inch