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LOT NO. 37

**Field Notes.**

of the survey of the

Omega

Mining Claim

Situate in Helvetia mining district

County of Pima and in Sec. 1, Tp. 1

Range 1, of the Gila and Salt River Meridian.

Arizona.

Claimed by P. R. Tully, Elchoa, J. R. DeLong

J. J. Jeffords, W. M. Wallace and J. S. Hughes

Survey executed by George J. Roskruger D. S.

Under instructions dated May 30, 1881

Survey commenced June 2, 1881

Survey completed June 2, 1881

# PRELIMINARY OATHS

FOR SURVEYS OF MINING CLAIMS AND MILL SITES.

WE, *Fred. G. Hughes* and *W<sup>m</sup> F. Kett*

do solemnly swear that we will faithfully execute the duties of Chain Carriers; that we will level the chain upon uneven ground, and plumb the tally pins, whether 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.

*Fred. G. Hughes.*  
*W. F. Kett*

SWORN to and subscribed before me, this *1<sup>st</sup>* day  
of *June* 188*1*

*Geo. J. Roskrug*  
*Notary Public*

I, \_\_\_\_\_  
do solemnly swear that I will well and truly perform the duties of \_\_\_\_\_  
according to instructions given me,  
and to the best of my skill and ability.

SWORN to and subscribed before me this \_\_\_\_\_ day  
of \_\_\_\_\_, 188\_\_\_\_\_

Field notes of the Survey of United States

mineral monument N<sup>o</sup> 1, Helvetia  
mining District, situate on the  
Western slope of the North end of  
the Santa Rita mountains,  
Pima County, Arizona —

On the summit of the Omega  
Hill (lime capped) the most  
prominent accessible one in  
this portion of the Helvetia mining  
District, and located in the center  
of a large group of mining claims.  
I drive a steel bar 4 feet long  
1½ ins. dia. 2 feet into the lime  
rock and by the side of the bar  
I set a well seasoned oak post  
8 feet long 4 inches squared,  
marked U. S. M. M. N<sup>o</sup> 1. H. D.  
the letters cut in 3½ ins long.  
around this post I build a  
monument of lime rock of the  
following dimensions. The 4 sides  
at base each five feet & four inches.  
The 4 sides at Top, each 3 feet.  
Height of N. E. & W. sides each 4 feet  
& 9 inches and on S. side 6 feet.  
From this monument the main  
shaft of the Omega & Omega 1<sup>st</sup> Co  
South bears S 59° W 216 feet dist.  
a stone monument on top of a  
prominent copper stained butte  
bears S 2° W about 1½ mile dist.  
another copper stained butte, not  
so large, but equally prominent,  
bears S 25° E about ½ mile dist.  
Old Baldy the highest peak in  
the Santa Rita mountains bears  
S 24° W.  
Tucson bears N 26° W.  
all bearings taken with a  
variation of 12° 42' East as  
per observation of Polaris —

There is no timber on the  
Hill.

Dated 1<sup>st</sup> June 1881

Geo. J. Roskruege

U. S. Depn<sup>t</sup> of Sur<sup>v</sup>

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Field Notes

of the  
Survey of the

Omega Mining Claim  
situated in the  
Helvetia Mining district

Pima County A.T.

Claimed by

P. R. Gully E. Ochoa  
S. R. De Long J. J. Jeffords  
W. M. Wallace and J. G. Hughes

Surveyed by

George J. Rastkrug

U. S. Dept. of M. S. & G.

Under his instructions of  
30<sup>th</sup> May 1881

Survey Commenced  
2<sup>nd</sup> June 1881

Survey Completed  
2<sup>nd</sup> June 1881



Field notes of the Survey of the  
Omega Mining Claim Helvetia Mining  
District Pima County, A. S.

04

7 feet Commenced at the initial point  
of claim being the center of a  
shaft common to the Omega and Omega  
1<sup>st</sup> Extension South, on the S. E. ly line of claim  
I run  $N 28^{\circ} 25'$  east

Var  $12^{\circ} 42'$  E.

as per observation of Polaris

7 feet Set Red wood post 4 feet long  $4 \times 4$  in,  
marked O.M.C. I.M. on west side 1 foot  
in ground and build around it a  
mound of stones 2 feet high, (no trees near)  
from which U.S.M.M. No. 1 bears  $N$   
 $60\frac{1}{4}^{\circ} E$ ; 209 feet distant, mouth of cut  
bears  $N 85^{\circ} W$  60 feet distant, Stone monument  
on summit of large prominent butte  
bears  $S 1^{\circ} W$  about  $1\frac{1}{2}$  miles distant  
summit of another butte north of last  
one bears  $S 29^{\circ} E$ ; about  $\frac{1}{2}$  mile distant,  
line runs up steep limestone hill,  
138 Summit and line runs along west  
slope of Omega hill.

200 Set red wood post 4 feet long  $4 \times 4$  in  
marked on west side O.M.C. N.E. (on solid  
rock) and build around it a mound  
of stones  $2\frac{1}{2}$  feet high for the N.E. cor  
of claim, no trees near,  
from which U.S.M.M. No. 1 bears  $S 15\frac{1}{2}^{\circ} E$  159.6 ft  
distant

Thence

$N 61^{\circ} 35' W$

Var  $12^{\circ} 42' E$

Line runs down steep hill,

1474 Arroyo 15 feet wide flows S.S.W. thence west

1500 Set redwood post 4 feet long  $4 \times 4$  in  
marked O.M.C. N.W. (on solid rock) and  
build around it a mound of stones  
 $2\frac{1}{2}$  feet high, for the NW corner of claim  
no trees near,

Thence

$S 28^{\circ} 25' W$

Var  $12^{\circ} 42' E$

Line runs along west bank of arroyo

57

Field Notes of the Survey of the  
Omega Mining claim Helvetia  
Mining district Pima County, A.T.

Sheet

- 300 On solid rock in dry arroyo. Set a mesquite post 4 feet long 4x4 in marked O.M.C., N.W., ~~E~~ and build around it a mound of stones 2 1/2 feet high for the N.W. centre of claim, no trees near,  
Thence S. 28° 25' W  
Var. 12° 42' E
- 66 Reore arroyo bearing west and line runs on gently rolling land.
- 300 set a red wood post 4 feet long 4x4 in marked O.M.C., S.W., 18 inches in the ground and build around it a mound of stones 18 inches high, for the S.W. cor of claim no trees near,  
Thence S. 61° 35' E  
Var. 12° 42' E.
- 488 Ravine flows W and line runs up S.W. side of the Omega hill.
- 1928 Summit of hill bearing S.S.W. and line runs along S.S.E. side of hill.
- 1500 Set red wood post. 4 feet long 4x4 in marked on west side O.M.C., S.E., for the S.E. cor of claim - set 1 1/2 feet in the ground and build around it a mound of stones 18 inches high, no trees near, this monument is built out the west edge of the trail leading from the Santa Cruz Valley to the Narraganset, and other mining claims, located on the east side of the Santa Rita mountains.  
Thence N 28° 25' E. 7  
Var 12° 42' E  
Line runs up the steep side of Omega hill.
- 208 Tunnel and cut bears N 61° 35' W 46 ft. dist.
- 257 Bluff of rocks 26 feet high, and line continues along high rocky bluff
- 300 To centre of shaft and place of beginning,

Containing 20. 64,000 acres

George J. Roskrug  
U.S.D.M. Surveyor

2<sup>nd</sup> June 1881



Field notes of the Survey of the  
Omega mining claim Helvetia  
Mining district Pima County A.T.

3 6

### Measurement of work.

1/2 of main shaft. 30' x 6' x 6' feet  
a cut or stripping running up the  
hill 48 feet with tunnel at end  
12 feet long. Cut averages 8 feet deep  
by 4 feet wide.

A cut and tunnel 24 feet deep 4 x 5 1/2 feet.

### General description

This claim lies on the western slope  
of the Omega hill on the west side  
of Santa Rita Mountains.

The work done on the claim has  
uncovered a large body of high grade  
Copper ore.

There is no timber on the claim.

More than \$500 has been expended  
on the claim by present owners.

Geo. J. Roskrige  
U.S. Dep. Min. Surv.

FINAL OATHS FOR SURVEYS OF MINING CLAIMS & MILL SITES.

A LIST of the names of individuals employed to assist in running, measuring, or marking the lines and corners described in the foregoing field-notes of the survey of the "Omega" mining claim located in Helvetia Mining District, Pima County, Arizona, showing the respective capacities in which they acted.

Fred. G. Hughes Chainman.  
William F. Kitt Chainman.  
Axeman.  
Flagman.

WE hereby certify that we assisted George J. Roskruege U. S. Deputy Surveyor, in surveying The Omega mining claim claimed by P.R. Tully and others located in Helvetia Mining District, Pima County, and in Township No. Range No. of the Gila and Salt River base and meridian, Arizona, and that said Survey has been in all respects, to the best of our knowledge and belief, well and faithfully executed, and the boundary monuments planted according to the instructions furnished by the Surveyor General.

Fred G Hughes Chainman.  
W.F. Kitt Chainman.  
Axeman.  
Flagman.

SWORN TO AND SUBSCRIBED before me this 22<sup>nd</sup> day of June 1881.

George J. Roskruege Notary Public

I, Geo. J. Roskruege U. S. Deputy Surveyor, do solemnly swear that, in pursuance of instructions from the U. S. Surveyor-General for Arizona, bearing date the 30<sup>th</sup> day of May 1881, I have well, faithfully and truly, in my own proper person, and in strict conformity with the instructions furnished by the Surveyor-General and the laws of the United States, surveyed all those portions of the Omega mining claim

claimed by P.R. Tully, E. Ochoa, S. R. DeSang, J. J. Jeffords, W. M. Wallace & F. G. Hughes located in Helvetia Mining District, Pima County, Arizona, as are represented in the foregoing field-notes as having been surveyed under my directions; and I do further solemnly swear that all the corners of said surveys have been established and perpetuated in strict accordance with the instructions furnished me, and that the foregoing are the true and original field notes of such surveys.

George J. Roskruege Deputy Surveyor.

SWORN TO AND SUBSCRIBED before me this 22<sup>nd</sup> day of June 1881.

Moye Wicks Notary Public

AFFIDAVIT OF FIVE HUNDRED DOLLARS IMPROVEMENTS.

We, *Andrew Cronky* and *William F. Kitt*  
of lawful age, being first duly sworn according to law, depose and say that we are acquainted with  
the *Omega*  
mining claim, situate in *Helvetia*  
Mining District, *Pima* County, Arizona  
Territory, for which *P. R. Tully* and *others*  
have made application for survey prior to application for patent under the provisions of the Act of  
Congress approved May 10, 1872, and that the labor done and improvements made thereon by the  
applicant and their grantor exceed Five Hundred Dollars in value, and further that we are  
not personally interested in said mine.

*Andrew Cronky*  
*W. F. Kitt*

TERRITORY OF ARIZONA, }  
County of *Pima* } SS.

SWORN AND SUBSCRIBED before me this *22<sup>nd</sup>*  
day of *June* 188*1*

*Geo. J. Roskrug*  
Notary Public

Omega (Supplemental notice).

Whereas the undersigned, the present owners of the Omega mine being desirous of having a survey made for the purpose of making application for Patent thereof and to that end deeming that a more full and definite description of the mine, should be given than is contained in the original notice of location of which the following is a copy to wit: - "County of Pima, A.T." "May 24<sup>th</sup> 1874. Mining Notice. We the" "undersigned hereby claim for mining purposes" "fifteen hundred (1500) linear feet along the" "mineral ledge, lode or deposit Com-" "mencing at this monument of stones" "and running in a northwesterly direction" "to a stone monument with a uniform" "width of six hundred feet (600 ft.) together" "with all the dips angles and spurs ap-" "pertaining or belonging to the same," "and all the ores and metals therein" "contained, claiming all the rights," "and privileges confirmed by the mining" "laws of the United States. This location" "or claim shall be known as the Omega" "mine and is situate on the western" "slope of the Santa Rita mountains," "and is about twenty five miles about"

Omega ( Supplemental notice ).

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"South 20° East from Tucson, which city  
"is in sight from this monument."

"P. R. Tully, James Piddle, Estevan Ochoa,  
"S. R. De Long, Thomas J. Jeffords, W. M. Wallace."

Now therefore, to more definitely describe  
said Omega mine for the purpose of  
survey for Patent, and to enable the  
Deputy Surveyor to trace the boundaries  
thereof on the ground, we hereby describe  
said mine as follows, to wit:

Commencing at this monument of  
stones, being the center of the South East  
end of claim and upon which this notice  
is posted; thence north east 300 feet to a  
monument of stones; thence north west  
1500 feet to a monument of stones; thence  
south west 300 feet to a monument  
of stones, being the center of north west  
end of claim; thence south west 300  
feet to a monument of stones; thence  
south east 1500 feet to a monument  
of stones; thence north east 300 feet  
to place of beginning. — This claim  
or mine is situated on the western  
slope of the north end of the Santa  
Rita mountains and is one half mile  
west of the northermost of two pro-  
minent bold Peaks or Buttes, said

TERRITORY OF ARIZONA, } ss.

County of Pima.

I, *Chas. R. Drake*, County Recorder in and for the County of Pima, do hereby certify that the above and foregoing is a full true and correct copy of *Supplemental Location Notice of the Omega Mine*

as appears of Record now in my Office in Book *P* <sup>Records of Mines</sup> Pages *654, 655 & 656*.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, at my office in Tucson this *28<sup>th</sup>* day of *May* A. D. 188*1*.

*Chas R Drake*

County Recorder,



Peaks or Buttes being the highest Peaks in the north end of the mountains, and said claim or mine is one and a half miles east of the old Copper workings of Tully & Ochoa. The description of said claim or mine given herein covers and includes and embraces the limits and boundaries of the claim or mine as originally described in the notice of location of which there is a copy herein. Dated on the ground May 21<sup>st</sup> 1881.

P. R. Tully

E. Ochoa

S. R. De Long

T. J. Jeffords

W. M. Wallace

F. G. Hughes

} Present owners.

Filed and recorded at request of Tully, Ochoa & Co. May 27<sup>th</sup> A.D. 1881 at 4.10 P.M.

Chas. R. Drake  
County Recorder.



U. S. Surveyor General's Office.

Tucson, Arizona, July 8, 1881

The foregoing field notes of the survey of the Omega Mining claim situate in the Helvetia Mining District, Pima County, Arizona, claimed by P. R. Jolly, E. Ochoa, S. R. De Long, J. Jeffords, W. W. Wallace and J. G. Hughes. survey executed by Geo. J. Roskrige Deputy Surveyor, under instructions from this office, having been critically examined and the necessary corrections and alterations made, the said field notes and the survey they describe are hereby approved.

*John Mason*

Surveyor General.