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LOT NO. 47

Survey No 409

Field Notes

of the survey of the

Iron Cap Mining Claim

Situate in Silver mining district,

County of Yuma and in Sec. 35, T³⁵p 4 5

Range ^{22W}23 W, of the Gila and Salt River Meridian.

Arizona.

Claimed by The Iron Cap Mining Co

Survey executed by Milton Sauter D. S.

Under instructions dated May 17th 1882

Survey commenced June 19th 1882

Survey completed June 21 1882

PRELIMINARY OATHS

FOR SURVEYS OF MINING CLAIMS AND MILL SITES.

WE, J. C. Johnson and Amby W Harper

solemnly swear that we will faithfully execute the duties of Chain Carriers: that we will level the
upon uneven ground, and plumb the tally pins, whether by sticking or dropping the same; that we
report the true distance to all notable objects, and the true length of all lines that we assist in meas-
to the best of our skill and ability.

J. C. Johnson
Amby W Harper

SWORN to and subscribed before me, this 19th day

of June 1882

A. D. Donnan
J. P. Yuma Co. A.T.

I, J. C. Mac Dougall
solemnly swear that I will well and truly perform the duties of Arman

according to instructions given me,
the best of my skill and ability.

J. C. Mac Dougall
Arman

SWORN to and subscribed before me this 19th day

of June 1882

A. D. Donnan
J. P. Yuma Co. A.T.

UNDER ACT OF CONGRESS OF MAY 10, 1872.

Field Notes

The Survey of the Iron Gap ^{OF} Mine

Claimed by The Iron Gap Mining Co

Located in Silver Mining District, Yuma County,

Township No. 4 South Range No. 23 West

Gila and Salt River Base and Meridian, State of ^{Arizona} ~~California~~.

Survey Made by Milton Santee U. S. Deputy Mineral Surveyor,

under his instructions dated May 17th 1882

Survey Commenced June 19th 1880.

Survey Completed June 21st 1880.

Survey of the Iron Cap Mine

Silver Mining District Yuma Co
Arizona

Exterior Boundaries

Begin at the S. E. Corner of the Iron Cap Location which corner is a stone mound 3 ft. in diam at base and 2 ft high which corner is also the center monument on the West End of the Engineer Location also the N. W. Corner of the Ollivier's Location. I re established said corner and

Set a Cottonwood post 6 in diam and 70 in long 2 ft in the ground marked D to N. $\frac{1}{2}$ W. on South face and raised a mound of stone 4 ft square at base and 3 ft high around post

Thence

Iron

Along East Boundary of Location

Var 14° East.

- | | |
|---------|--------------------------|
| 140 ft. | A ravine bears West |
| 245 " | A ravine bears N. 86° W. |
| 300 " | A ravine bears N 61½° W. |

7. S 13° E.

- 395 ft A ravine bears N. W.
- 415 " A ravine bears West
- 600 " The South boundary of the
Engineer Location
Set a cottonwood post 5 ins
in diam 50 ins long 1 ft in
the ground marked "E. in N.
face and "I" in S face and
raised a mound of stone
4 ft at base and 2 ft high
around post.
- 760 " A ravine 12 ft deep Course W.
- 910 " A ravine 15 feet deep Course N. 36° W.
- 1015 " Summit of Spur bears N. 31° W.
- 1080 " A ravine bears N. 16° W.
- 1180 " Summit of ridge bears N. E.
and S. W. and descends abruptly
- 1185 " Set a cottonwood post 5 ins
diam and 6 ft long 1 ft in
the ground marked "D. C. No. 2"
and raised a mound of
stone 4 ft at base and 2
ft. high around post, for
S. E. Corner of Iron Cap
Blaine
_____ from which _____
The monument at S. E.
Corner of Location bears
S. 13° E. 67 ft dist
Thence
_____ Iron

2 S 88 1/2 W 15 ft
170 "
278 "

Summit of ridge and descend
Ascend

The Center monument on
South end of Claim which is
a stone mound 3 ft at base
and 2 ft high.

I reestablished said corner
and set a Cottonwood post 6 in
diam and 5 ft long 1 ft in
the ground and raised a mound
of stone 4 ft at base and 3 ft
high around post marked
"D.C. No. 3" on N face

Intersect West Boundary
of the Illinois Location N. 70 1/4 E
340 ft from the S.W. corner
of said location

Thence

3 N 78 1/2 W 300 ft

Along South Boundary of Claim
To a stone mound 3 ft at
base and 2 ft high the S.W.
corner of the Don Cap Location
also the South Center monu-
ment of the Toronto Location

I set a Cottonwood post 6
in diam 5 ft long 1 foot in
the ground and raised a
mound of stone 4 ft at base
and 3 ft high around post
Post marked "T No. 3" on N
face

4 N. 11° W.

Thence

Along West Boundary of Claim.

- 166 ft A ravine bears N. E.
- 236 " A Spur bears E
- 306 " a runnie bears E
- 366 " A Spur bears E
- 471 " A ravine bears E
- 566 " Top of spur bears N. E.
- 931 " Enter gravelly wash
- 1008 " Road to Nortons Landing
- 1046 " Leave wash
- 1106 " A stone mound 3ft at base and 2 ft high the N. W. Corner of the Drum Cap location and N. W. Corner of the Tourito location. I re-established the corner and

Set a cottonwood post 6 ins diam and 70 ins long in a stone mound 5 feet at base and 3ft high mark id post "D. C. N. 11° 5'"

Thence

Open

5 N. 88 1/2° E

Along North Boundary of Claim

- 30 ft Enter gravelly wash
- 66. " The road to Nortons Landing
- 90. " Leave gravelly wash

246 ft.

The Center monument on
North end of Iron Cap
Location a stone mound
3 ft at base and 2 ft high

As established the Corner,
Set a Cotton wood post 8 in
diam. 6 ft long 3 ft in the
ground and raised a mound
of stone 4 ft at base and 2 ft
high around post
Marked post "D. C. No 6"
— from which —

The U. S. Mineral Monument
No 1 bears

N 44° E 1945 ft dist.

The Shaft of the Iron Cap Mine
bears

S 55° E 44 ft dist

The Shaft of the Amman Mine
No 1 bears

S. 16° W. 50 ft dist

The Shaft No 2 of the Amman
Mine bears

N 6° W. 100 ft dist

255 ft.

510 "

The road to Norton's Landing
The N. E. Corner of the Claim
and place of beginning

Containing 14.03 Acres

Center Line of Iron Cap Claim

S $12\frac{1}{2}^{\circ}$ E 6 ft.
 58 "
 100 "
 150 "
 325 "
 400 "
 530 "
 640 "
 775 "
 1060 "
 1180 "

From the Center monument
 at N. End of Iron Cap
 Location Iron
Thence

The road to Nortons Landing
 A ravine bears S 84° W.
 A spur bears N. E.
 A ravine course N. 40° E.
 A rocky spur bears N. E.
 A rocky spur bears East
 A ravine bears East
 A ravine bears East
 A spur bears N. W.
 Summit of rocky peak
 The Center monument
 on S end of Location.

Report.

Preliminary to Survey of the Iron Cap Mine to ascertain the Variation of my Compass I proceeded to the U. S. Mineral Monument No. 1 established by U. S. Dep Surveyor O. F. Townsend and by comparing my instrument with the line established by him and verified by observation of the sun with Solar Transit I found the variation to be 14° E.

An explanation of the difference of the lines given as North easterly in the location notice and as North westerly in the field notes of survey.

The original locators of the Claim who put up the notices and built the monuments, stated to me that they supposed the direction of the claim to be North easterly and had no means to determine the true courses.

This mine is located in the N. E. part of T. 4 S. R. 23 W. of Gila and Salt River Base and Meridian Yuma Co Arizona

The Siphent post Office is about 400 feet North

There is a good Wagon Road from the mine 4 miles South Westerly to the Red Cloud Smelting Furnace at Norton's Landing on the Left bank of the Colorado River also a County Wagon road and stage and mail route be-

tween Silent Post Office and Yuma

The surface on the North portion is a gravelly mesa broken by deep ravines and water courses.

The South part is steep and rocky spurs and ridges sloping Northward.

The formation on the mesa is several feet in depth of gravel in the bottoms of the ravines and water courses and on the spurs and ridges are ledges of granite Quartz and Volcanic formation. The Quartz ledge is well defined by surface croppings and extends South easterly through the Claim.

A shaft 4x6 ft near the North End of the Claim has been sunk on the ledge at an angle of 40° East-erly to the depth of 270 feet which

shows a vein of quartz bearing silver and lead and 5 ft in width near the surface. At a depth of

100 feet a crosscut shows the vein to be 57 feet in width at 270 feet the crosscut extends only 9 feet and not intersecting the walls of the ledge.

Samples of ore from different places in the shaft assay from \$6 to \$8.50 per ton of Silver and from 3 to 50 per cent Lead averaging about \$50 per ton of Silver and 12 per cent lead.

Estimate the value of work in sinking shafts and running

drifts and crosscuts at \$5000

Respectfully Submitted

Milton Santee

U. S. Dep. Minel. Surveyor

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 Iron Cap Mining Location located in Silver Mining District, Yuma County, Arizona, showing the respective capacities in which they acted.

J. C. Johnson Chainman.
Amos W. Harper Chainman.
J. C. MacDougall Axeman.
Flagman.

WE hereby certify that we assisted Milton Sautter U. S. Deputy Surveyor, in surveying

The Iron Cap Location claimed by The Iron Cap Mining Company located in Silver Mining District, Yuma County, and in Township No. 4 S. Range No. 23 W. 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.

J. C. Johnson Chainman.
Amos W. Harper Chainman.
J. C. MacDougall Axeman.
Flagman.

SWORN TO AND SUBSCRIBED before me this 21st day of June 1882

A. D. Crawford J. P. Yuma Co. A. T.

I, Milton Sautter U. S. Deputy Surveyor, do solemnly swear that, in pursuance of instructions from the U. S. Surveyor-General for Arizona, bearing date the 17th day of May 1882, 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 Iron Cap Location claimed by The Iron Cap Mining Co located in Silver Mining District, Yuma 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.

Milton Sautter Deputy Surveyor.

SWORN TO AND SUBSCRIBED before me this 21st day of June 1882

A. D. Crawford J. P. Yuma Co. A. T.

AFFIDAVIT OF FIVE HUNDRED DOLLARS IMPROVEMENTS.

We, *Chas Pickenback* and *Ed J. Taylor*
of lawful age, being first duly sworn according to law, depose and say that we are acquainted with the
Iron Cap Location,

mining claim, situated in *Silver* Mining District, *Yuma* County, Arizona
Territory, for which *The Iron Cap Mining 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 improvements made thereon by the appli-
cant *S* and their grantor *S* exceed Five Hundred Dollars in value, and further that we are not per-
sonally interested in said mine.

Charles Pickenback.
Ed. J. Taylor.

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

SWORN to and subscribed before me, this *21st* day

of *June* 188 *2*

A. Messersmith
J.P. Yuma Co A.T.

Silver District
August 30. 1878.

Notice is hereby given, that the undersigned in pursuance to the provisions of the Act of Congress entitled an Act to develop the the mining resources of the United States, has located, and do claim for Mining purposes. Fifteen hundred (1500) feet, along, or on the mineral bearing vein, lode, or deposit, with a width of three hundred (300) feet on each side of the middle of the vein at the surface, together with all the dips, spurs, angles, and variations, also all the water rights incident and appurtenant.

The description of this claim is as follows: beginning at the place of this notice, which is at the Southern end of the claim in a monument of rock, and running thence in a Northwesterly direction 1500 feet to a similar

monument, taking 300 feet on ¹⁶
each side of the center line
This location shall be known
as the Iron Cap.

Geo W. Norton
Walter Miller
Geo Bradford

Recorded September 19th A.D.
1878. at 10 o'clock A.M. at
request of Geo. W. Norton.

Geo. Lyng.
Recorder.

Territory of Arizona
County of Yuma

J.
O. H. Brinley County Recorder
of Yuma County Territory above-
said, duly qualified, hereby
certify that foregoing to be a
full true, and correct copy of
the "Iron Cap" mining location

no the same appears of record
in my office in Book C.
"Records Minis" page 174.
In witness whereof I

have hereunto set my
hand and affixed my
official seal the 5th
day of May A.D. 1882

J. H. Pringley
C. Rumpel



TABLING of the Final Survey of *the Iron Cap Mine*

Surveyed by *Milton Santee, U.S. Dep. Surv.* ~~187~~ 1882

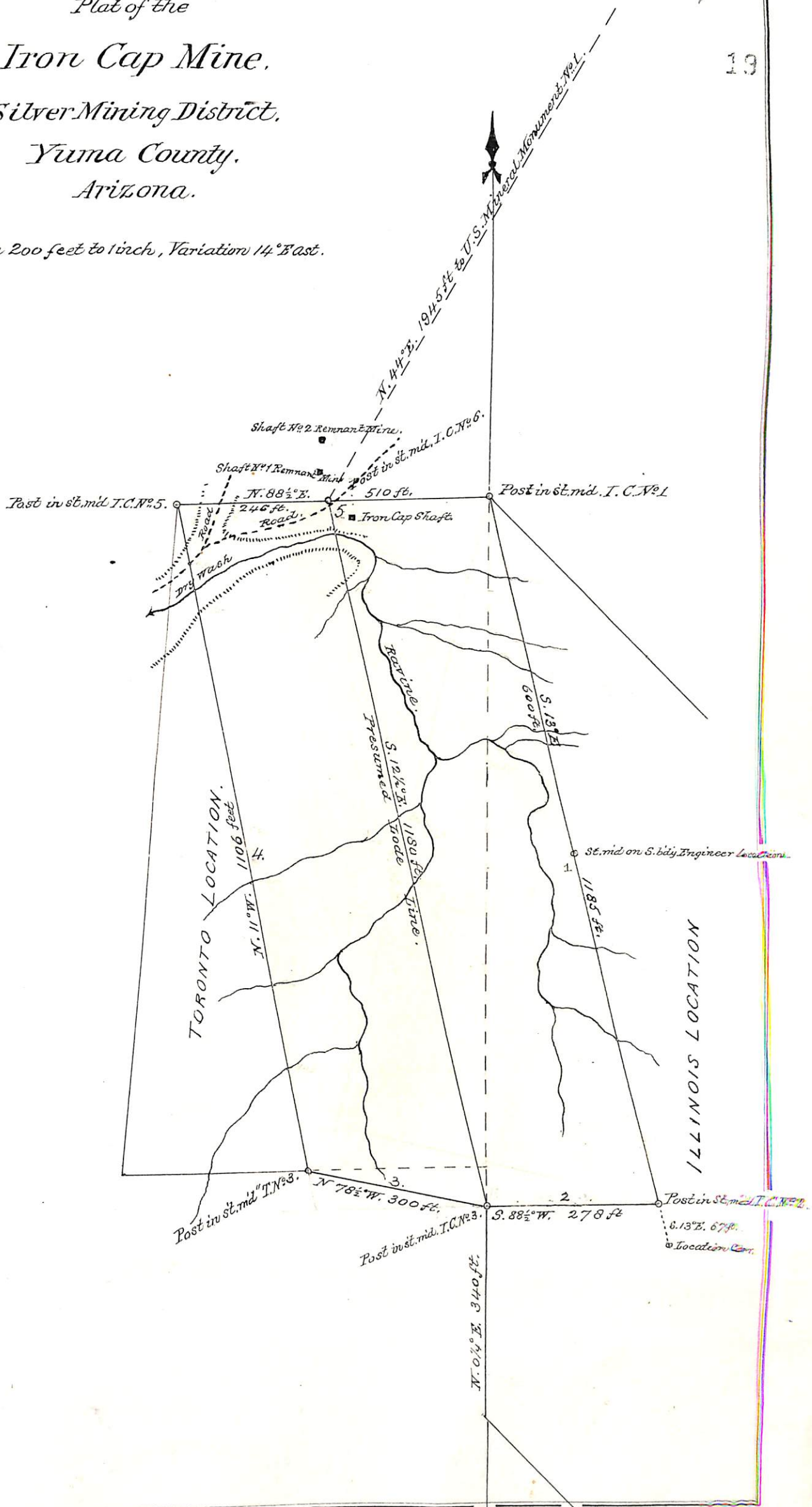
No.	COURSE.	DIST.	N.	S.	E.	W.	L.C.	D.C.	N.	S.	E.	W.	L. O.	D. O.	D. M. D.	+AREA.	-AREA.
1	S. 13 E	1185		1155	266		+2	+1			1153	267		-1153	+267	1293	1490829
2	S 88 1/2 W	278		7		278	0	-1			7		277	-1160	- 10	1283	8981
3	N. 78 1/2 W	300	60			294	0	-1	60				293	- 1100	- 303	713	42780
4	N. 11 W	1106	1086			211	+1	-1	1087				210	- 13	- 513	210	228270
5	N 88 1/2 E	510	13		510		0	+3	13		513		000	000	513	6669	
			1159	1162	776	783			1160	1160	780	780				277719	1499810
			+3		+7												277719
																	1222091
																	611045

$611045 \div 43560 = 14.03 \text{ acres}$

Sq. feet

Plat of the
 Iron Cap Mine,
 Silver Mining District,
 Yuma County,
 Arizona.

Scale 200 feet to inch, Variation 14° East.



U. S. Surveyor General's Office.

Tucson, Arizona, September 15 1882

The foregoing field notes of the survey of the Iron
Cap Mining Claim situate in
the Silver Mining District, Yuma
County, Arizona, claimed by the Iron Cap
Mining Company
survey executed by Milton Sauter 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.

J. W. Robbins

Surveyor General.

UNITED STATES DEPARTMENT OF THE INTERIOR 9605 (952)
BUREAU OF LAND MANAGEMENT M.S. 409
ARIZONA STATE OFFICE

NOTICE OF CANCELLATION OF MINERAL SURVEY

The Iron Cap lode, Mineral Survey No. 409, located in section 11, Township 4 South, Range 23 West, Gila and Salt River Meridian, Arizona, is hereby canceled.

This claim has not been filed with the Arizona State Office, Bureau of Land Management, in accordance with Section 314, 90 STAT. 2769, (43 U.S.C. 1744).

This cancellation was necessitated to clear the record.

The Mineral Survey Plat should be noted as follows:

"Iron Cap lode, M.S. 409 was canceled December 28, 1998, by memo 9605 (952) M.S. 409, which is now a part of the original field notes."

December 28, 1998
Date


Chief Cadastral Surveyor of Arizona