

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4387

Arizona

Land District.

**FIELD NOTES**

Of The Survey Of The Mining Claim Of

J. J. Strutzel, Jr., and Carnotite Explorations, Inc.

Known As The

South Gate #2 lode

Old Hat

Mining District,

Pinal

County,

Arizona

Section 25, Township 8 South, Range 16 East, G. & S.R. Mer.

Surveyed under order dated January 19, 1954

by T. N. Stevens

Mineral Surveyor.

Claim located August 4, 1946

Survey commenced February 1, 1954

Survey completed March 26, 1954

Address of claimant Elmer C. Coker, Attorney for Claimants,  
Bank of Douglas Bldg., Phoenix, Arizona

DATES OF AMENDED LOCATIONS

Jan. 10, 1951

Survey No. 4387

This survey was made with a C.L. Berger & Sons transit with horizontal limb 6 1/4 ins. diam. with vertical circle 5 ins. diam., having two opposite verniers; the verniers read to one minute of arc. The instrument was in good condition at the time of the survey and all adjustments were in good order.

All azimuths in this record were determined by the method of deflection angles referred to the meridian determined by the following observation.

Friday, March 5, 1954, at cor. No. 1, South Gate #2, in latitude 32°42'19" N., and longitude 110°40'15" W., I made a series of altitude observations upon the sun for azimuth at approximately equal time intervals, three each with the telescope in direct and reversed positions, bisecting the sun, and reading the horizontal angle S.W. to sun.

Mean time of observation, 105 meridian, standard time -2h 50m P.M.

Declination of sun at mean time of observation: 5°59'53.7" S.

Mean observed vertical angle to sun's center - 39°04'56"

Mean horizontal angle counterclockwise from reference point -132°55'

True bearing of reference point - North

The lines were measured with a Keuffel & Esser steel tape 300 feet in length, the first foot graduated to tenths and hundredths; and a 100 ft. Lufkin steel tape, graduated to feet, tenths and hundredths; both tapes were compared with a standard and were correct at the time of the survey.

All lines and connections of this survey were run by direct methods, the magnetic declination observed at each corner of the survey gave a uniform value of 14° E.

Feet

SOUTH GATE #2 LODE.

At Cor. No. 1 of the South Gate #2 lode.

Set an iron post, 3 1/2 ft. long, 2 ins. diam., 18 ins. in the ground, surrounded by a mound of stone to top with leaden cap mkd. 1 S G 2-4387; from which

The cor. to secs. 25, 26, 35 and 36, T. 8 S., R. 16 E., G. & S.R.M. - bears South 1500 ft. dist.; 2 inch steel post with cap on top, mkd. 25,26,35,36, firmly set in the position of the original monument.

No bearing objects are available.

Thence North

234.0 Old road to Mammoth bears northeasterly and westerly.

300.0 Lode line; discovery point bears S. 89° 54' E., 50 ft. dist.

Set a pine post 4 x 6 ins., 3 ft. high, firmly in the ground and surrounded by a mound of stone, mkd. W. CR. STG. 21

370.0 Wash, 9 ft. wide, course northerly and southwesterly.

480.0 Cor. No. 2. Set an iron post, 3 1/2 ft. long, 2 ins. diam., 18 ins. in the ground, surrounded by a mound of stone to top with leaden cap mkd. 2-S G 2-4387.

No bearing objects are available.

Thence S. 89° 54' E.



Survey No. 4387

250.0	Old road to Mammoth bears northeasterly and southwesterly.
1500.0	Cor. No. 3.
	Set an iron post, 3 1/2 ft. long, 2 ins. diam., 18 ins. in the ground, surrounded by a mound of stone to top with leaden cap mkd. 3 S G 2-4387.
	A palo verde tree, 8 ins. diam., bears S. 37° E., 67.5 ft. dist. blazed and scribed 3 S G 2-4387 B T.
	Thence South
180.0	Lode line; discovery point bears N. 89° 54' W., 1450 ft. dist.
	Set a pine post 4 x 6 ins., 3 ft. high, firmly in the ground, surrounded by a mound of stone, mkd. E Cr. S G 2.
250.0	Wash, 10 ft. wide, course northeasterly.
480.0	Cor. No. 4.
	Set an iron post, 3 1/2 ft. long, 2 ins. diam., 18 ins. in the ground, surrounded by a mound of stone to top with leaden cap mkd. 4 S G 2-4387.
	A palo verde tree, 12 ins. diam., brs. N. 7° 15' W., 47 ft. dist., mkd. 4 S G 2-4387 B T.

	Thence N. 89° 54' W.
1500.0	To Cor. No. 1 and place of beginning.

AREA	Acres
Total area South Gate #2 lode	16.529

**LOCATION**

This survey is located in the SW<sup>1</sup> Section 25, T. 8 S., R. 16 E., G. & S.R. Mer., Arizona.

The survey is identical with the amended location as staked on the ground.

**EXPENDITURES**

The improvements and the value of the labor and improvements made upon or for the benefit of the location embraced in said mining claim by the claimants or their grantors are as follows:

- No. 1 The discovery point of the South Gate #2 lode is on the lode line 50 ft. from a point on line 1-2, 300 ft. from Cor. No. 1. A mound of stone on outcrop.  
No value.
- No. 2 A shaft, the center of which bears S. 17° 30' E., 170 ft. from Cor. No. 2, South Gate #2 lode; 4 x 6 ft. (timbered), 26 ft. deep.  
Value \$780.00

**OTHER IMPROVEMENTS - NONE**

**OTHER CORNER DESCRIPTIONS.**

A diligent search was made for the quarter-section corner of Secs. 25 and 26, T. 8 S., R. 16 E., and no evidence of same could be found or identified.

## Survey No. 4387

## ADJOINING CLAIMS

On the East by South Gate #1, Unsur., H.H.Strutzel and S.L. Houghton, Claimants.

On the South by Highway Nos. 1, 2, and 3, Unsur., Anaconda Copper Corp., Claimant.

On the West by Oracle No. 1, Unsur., Mammoth St. Anthony, Ltd., Claimant.

## Field Assistants

Name	Capacity
E.H.Jenkins	Chainman
J.J.Walden	Chainman




UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

I, T.N. Stevens, Mineral Surveyor,  
 hereby certify upon honor that in pursuance of an order received from the  
Office Cadastral Engineer, at Albuquerque, New Mexico,  
 dated January 19, 1954, I have faithfully and correctly executed the survey  
 of the mining claim of J.J. Strutzel, Jr., and Carnotite Explorations, Inc.  
 known as the South Gate # 2 lode  
 (lode, placer, or millsite)  
 situate in Old Hat Mining District  
Section 25 T. 8 S., R. 16 E.,  
G. & S.R. Meridian, Arizona, and designated  
 (State)  
 as Survey No. 4387, which is represented in the fore-  
 going field notes as having been executed by me and under my direction, and that said  
 survey has been made in strict conformity with said order, the Manual of Instructions  
 for the Survey of the Public Lands of the United States, and in the specific manner  
 described in the foregoing field notes, and I do further certify that the labor ex-  
 pended and improvements made upon or for the benefit of the lode  
 (lode or placer)  
 location— embraced in the said mining claim by claimant-~~s~~ or their grantors  
 are fully stated in my report therein, and that the character, extent, location, and  
 itemized value thereof are specified therein with particularity and full detail, and  
 that no portion of, or interest in, said labor and improvements so credited to this  
 claim has been included in the estimate of expenditures upon any other claim.

Tucson, Arizona  
(Place)

  
(Mineral Surveyor)

March 31, 1954  
(Date)

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF  
MINING CLAIM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
~~PUBLIC SURVEY OFFICE~~

At Phoenix, Arizona  
April 4, 1955

I, Office Cadastral Engineer at Phoenix, Arizona

do hereby certify that the forgoing and hereto attached Field Notes and return of the Survey of the  
Mining Claim of J. J. Strutzel, Jr., and Carnotite Explorations, Inc.

....., known as the

South Gate #2 lode

situate in Old Hat mining district,

in Section 25, Township No. 8 South, Range No. 16 East,

G. & S.R.M., designated as Survey No. 4387

executed by T. N. Stevens, Mineral

Surveyer, February 1 to March 26, 19 54, under my instructions dated

January 19, 19 54, 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. The certified copy of the location certificate filed by the applicant for survey is

included and made a part of these field notes.

*Everett H. Kimmell*

Everett H. Kimmell

Office Cadastral Engineer.

# Notice of Mining Location

## LODE CLAIM

### TO ALL WHOM IT MAY CONCERN:

This mining claim, the name of which is the South Gate #2 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 J. J. Strutzeli and Justine Strutzel Citizens of the United States.

the undersigned, on the 4th day of August, 1946

the length of this claim is 1500 feet,  
and We claim 1450 feet,  
in a Easterly ~~dir-~~<sup>ection</sup> direction and 50 feet in a westerly direction from the center of the discovery shaft, at

which this notice is posted, lengthwise of the claim, together with 300 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 Old Hat Mining District in Pinal County, in the State of Arizona, about 3/4 mile in a East-North Easterly direction from Tiger, Post Office. This location Notice is 1800 ft. North of and 50 ft. east of Section corner  $\frac{26}{35} \frac{25}{36}$

The surface boundaries of the claim are marked upon the ground as follows: Beginning at the Discovery Monument and shaft described above

at a point in a Westerly direction 50 feet from the discovery shaft (at which this notice is posted), being in the center of the west end line of said claim; thence 300 ft. south feet to a monument of stone, being the South West corner of said claim; thence East 1500 feet to a Monument of Stone being at the South East corner of said claim; thence North 300 feet to a Monument at the center of the West end of said claim; thence 300 ft. north feet to a monument, being at the North East corner of said claim; thence West 1500 feet to a Monument at the North West corner of said claim; thence South 300 feet to the place of beginning.

Dated and posted on the ground this 4th day of August, 1946.

J. J. Strutzel

Justine Strutzel

Filed and recorded at the request of Mr. J. J. Strutzel, Oct. 25, 1946, A.D., at 1:55 P.M.

By

Deputy Recorder.

Estel L. Bayless County Recorder.

FEE NO. 20965

COMPARED  
by MP  
to MP



Page 37, Records of Pinal County, Arizona. WITNESS my hand and official seal the day and year first above written. SOPHIE M. SMITH, County Recorder, By Margaret K. Danneberg, Deputy

DOCKET: 37 PAGE 384

AMENDED

# Notice of Mining Location

## LODE CLAIM

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the South Gate #2 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 J. J. Strutzel, Jr. and Justine Strutzel, citizens of the United States

(Locator must insert either "a citizen of the United States" or "who has declared his intention of becoming a citizen of the United States.")

the undersigned, on the 10th day of January, 1951

The length of this claim is 1500 feet, and we claim 1450 feet, in a n easterly direction and 50 feet in a westerly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with 300 feet in width of the surface grounds, on both side of the center of said claim, ~~the general location of the claim is as follows: beginning at the center of said claim, and about 180' on the north side of the centre of said claim.~~ to the

The claim is situated and located in the Old Hat Mining District, in Pinal County, in the State of Arizona, about 3/4 mile in a East-Northeasterly direction from Tiger Post Office

This Location Notice is 1800 ft. north of and 50 ft. east of Section Corner 

26	25
35	36

  
T. 8 S., R. 16 E.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at the west end centre, a monument 50' west of the discovery monument, (at which this notice is posted), thence 300' south along the Section lines between Section 25 and 26 to the southwest corner, which coincides with the northwest corner of Highway #1, thence 1500' east to the southeast corner which coincides with the north end centre of Highway #8, thence north 300' to the east end centre, thence about 180' north to the N.E. corner of said claim which lies on the south boundary of the N. 1/2 of the ~~at a point in a~~ direction feet from N 1/2 of the SW 1/4 of Sec. 25, thence along this boundary line West 1500' to the NW corner, ~~the discovery shaft (at which this notice is posted), being in the center of the~~ which is on the Section line between Sections 25 and 26, thence south approximately 180' to the place of beginning ~~end line of said claim; thence~~ feet to a being the corner of said claim; thence feet to a being at the corner of said claim; thence feet to a at the center of the end of said claim; thence feet to a being at the corner of said claim; thence feet to a at the corner of said claim; thence feet to the place of beginning.

Dated and posted on the grounds this 10th day of January, 1951

J. J. Strutzel, Jr.  
Justine Strutzel

This is an amended Location Notice of the South Gate #2 Mining Claim, located by J. J. Strutzel, Jr. and Justine Strutzel, on the 4th day of August, 1946, and recorded in Book 55 of Record of Mines, at page 205, in the office of the County Recorder of the aforesaid County of Pinal to which reference is hereby made and this amended Location Notice is made and posted to correct errors in the description in the said original Location Notice.



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
ARIZONA STATE OFFICE

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NOTICE OF CANCELLATION OF MINERAL SURVEY

The SOUTH GATE #2 lode, Mineral Survey No. 4387, located in section 25, Township 8 South, Range 16 East, Gila and Salt River Meridian, Arizona, is hereby cancelled.

These claims have 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).

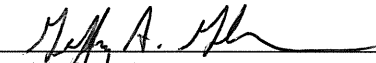
This cancellation was necessitated to clear the record.

The Mineral Survey Plat shall be noted as follows:

“SOUTH GATE #2, M. S. 4387, was canceled December 6, 2019, by memo 9605 (921), which is now a part of the original field notes.

December 6, 2019

Date

  
\_\_\_\_\_  
Chief Cadastral Surveyor of Arizona