

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT



MINERAL SURVEY NO. 4364

Arizona Land District.

**FIELD NOTES**

Of The Survey Of The Mining Claim Of

Randolph Jenks

Known As The

GREENLEE lode mining claim

Old Hat Mining District,

Pima County, Arizona

Section 15, Township 11 S., Range 16 E., G&SRM

Surveyed under order dated February 25, 19 52

by Ralph L. Motz  
Mineral Surveyor.

Claim located May 7, 1943, 19

Survey commenced March 13, 19 52

Survey completed March 14, 19 52

Address of claimant 's Attorney, Frank W. Steel,  
Valley National Bldg.,  
Tucson, Arizona.

DATES OF AMENDED LOCATIONS

## Survey No. 4364

This survey was made with a C. L. Berger & Sons precise transit, with horizontal limb 6.25 ins. diam., having two double opposite verniers, and full vertical circle 5 ins. diam., having one double vernier; the verniers read to one minute of arc; the eye-piece is equipped with a colored glass slide in a prismatic eye-piece for making direct observations upon the sun. 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:-

March 13, 1952, at Cor. No. 3 of the Greenlee lode, in latitude  $32^{\circ} 28' N.$ , and longitude  $110^{\circ} 42' W.$ , I made a series of eight altitude observations upon the sun for azimuth at approximately equal time intervals, four each with the telescope in direct and reversed positions, observing opposite limbs of the sun, and reading the horizontal angle from Cor. No. 4 southeast to the sun.

Mean time of observation, 105th	
meridian standard time - - - - -	8h. 30 m., A.M.
Declination of the sun at mean	
time of observation - - - - -	$2^{\circ} 46' 7.6'' S.$
Mean observed vertical angle to	
sun's center - - - - -	$29^{\circ} 32'$
Mean horizontal angle from reference	
point to sun's center - - - - -	$83^{\circ} 07' S-E$
True bearing to reference point	$N. 32^{\circ} 05' E.$

The lines were measured with a Keuffel & Esser steel tape, 100 feet in length, graduated to feet, tenths and hundredths of feet for the entire length, a Keuffel & Esser steel tape, 300 feet in length, graduated to feet, tenths and hundredths of feet for the entire length; a Lufkin steel tape, 25 feet in length, graduated to feet, inches and fractions of inches for the entire length. All tapes were compared with a Lufkin standard steel tape at the time of beginning the survey and found correct.

All lines and connections of this survey were run by direct methods.

The magnetic variation observed at each corner of the survey gave a uniform value of  $13^{\circ} 30' E.$

## GREELEE LODGE.

At Cor. No. 1 of the Greenlee lode

Set an iron pipe,  $1\frac{1}{2}$  ins. diam., 36 ins. long, 20 inches in the ground, in a mound of stone, with brass cap mkd. G-1-4364; from which

The  $\frac{1}{4}$  section corner of sections 14 and 15, T. 11 S., R. 16 E., G. & S. R. M. bears  $S. 51^{\circ} 35' E.$ , 803.2 ft. dist.; being an iron pipe, with brass cap, firmly set, and marked as described in the official record.

A monument of rocks, 4 ft. high, 4 ft. base, bears northeasterly 4.0 ft.

A diabase ledge,  $18 \times 20$  ins., 18 ins. above ground bears  $N. 55^{\circ} 02' W.$ , 14.0 ft. dist., mkd. B0 X G-1-4364

Feet.	A diabase ledge, 14x28 ins., 10 ins. above ground bears N. 51° 08' E., 14.0 ft. dist., mkd. BO X G-1-4364
	Thence S. 32° 05' W.,
300	Lode line, discovery point bears N. 57° 55' W., 730 ft., dist. Also Cor. No. 4 Survey No. 4274 Metal Reserve lode.
504	Cross Geesaman Wash, 20 feet wide, course S. 81° E.
600	Cor. No. 2, identical with Cor. No. 1 Survey No. 4274 Apache lode and situated on line 3-4 Survey No. 4274 Metal Reserve lode
	A limestone rock, 4x8 ins., 10 ins. above ground, mkd. G-2-4364; from which
	A limestone ledge, 14x33 ins., 12 ins. above ground, bears S. 31° 13' E., 19.6 ft. dist., mkd. BO G-2-4364
	A limestone rock in place, 12x17 ins., 5 ins. above ground, bears N. 84° 15' E., 20.0 ft. dist., mkd. BO X G-2-4364
	Thence N. 57° 55' W.,
165	Cross Geesaman Wash, 20 feet wide, course N. 71° E.
640	Center of road, bears N. 47° E., and S. 46° W.
900	Center of road, bears East, and WEST
1000	Center of power line, bears N. 79° E., and S. 79° W.
1500	Cor. No. 3, identical with Cor. No. 4 Survey No. 4274 Apache lode and Cor. No. 2 Survey No. 4363 Major lode
	A diorite rock, 5x9 ins., 9 ins. above ground, mkd. G-3-4364; from which
	A diorite ledge, 15x28 ins., 30 ins. above ground bears N. 83° 21' W., 13.9 ft. dist., mkd. BO X G-3-4364
	Thence N. 32° 05' E.,
270	Cross Sanderson Wash, 20 feet wide, course EAST
300	Lode line, discovery point bears S. 57° 55' E., 770 feet dist.
600	Cor. No. 4 Set an iron pipe, 1 1/2 ins. diam., 36 ins. long, 18 ins. in the ground in a mound of stones, with brass cap mkd. G-4-4364; from which
	A monument of rocks, 4 ft. high, 4 ft. base bears northeasterly 3 ft.
	Thence S. 57° 55' E.,
190	Cross Sanderson Wash, 20 feet wide, course N. 52° E.

feet	
1010	Center of Power line, bears N. 71° 30' E., and S. 71° 30' W.
1020	Center of road, bears N. 62° E., and S. 62° W.
1110	Center of road, bears N. 14° E., and S. 40° W.
1500	Cor. No. 1 and place of beginning.

-----

AREA

Acres

Total area, Greenlee lode - - - - - 20.661

LOCATION

This survey is located in the NE 1/4 Section 15, T. 11 S., R. 16 E., G. & S. R. M.

The survey of the Greenlee lode is identical with the original location as marked on the ground.

EXPENDITURES

The improvements and the value of the labor and improvements made upon or for the benefit of this lode location by the claimant or his grantors are as follows:-

- |       |   |
|-------|---|
| No. 1 | The discovery shaft of the Greenlee lode, the center of which being the discovery point is on the lode line, 730 ft. from a point on line 1-2, 300 ft. from Cor. No. 1; 4x6 ft. in size, 8 ft. deep<br>Value \$75 |
| No. 2 | An open cut, the mouth of which bears N. 50° 05' W., 790 from Cor. No. 2 of the Greenlee lode; 5 ft. wide, 6 ft. face, runs N. 40° W., 14 ft. to face<br>Value \$80   |
| No. 3 | An open cut, the mouth of which bears N. 56° W., 740 ft. from Cor. No. 2 of the Greenlee lode; 8 ft. wide, 8 ft. face, runs S. 45° W., 18 ft. to face<br>Value \$225  |
| No. 4 | A shaft, the center of which bears N. 43° 15' W., 562 ft. from Cor. No. 2 of the Greenlee lode; 6 x 10 ft. in size, 10 ft. deep<br>Value \$150  |
| No. 5 | An open cut, the mouth of which bears S. 37° 30' E., 442 ft. from Cor. No. 4 of the Greenlee lode; 4 ft. wide, 8 ft. face, runs S. 10° W., 25 ft. to face<br>Value \$150  |

OTHER CORNER DESCRIPTIONS.

Survey No. 4274 - Metal Reserve Cor. Nos. 3 and 4 are rocks, firmly set and properly marked. Apache lode:- Cors. 1 and 4 are rocks firmly set and properly marked.

FIELD ASSISTANT.

Jackson L. Clark

chainman

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

I, Ralph L. Motz, Mineral Surveyor,  
 hereby certify upon honor that in pursuance of an order received from the Division  
of Cadastral Engineering, at Albuquerque, New Mexico,  
 dated February 25, 1952, I have faithfully and correctly executed the survey  
 of the mining claim of Randolph Jenks  
 known as the Greenlee lode mining claim  
 (lode, placer, or millsite)  
 situate in Pima County, Arizona;  
Old Hat Mining District, Section 15 T. 11 S., R. 16 E.,  
Gila and Salt River Meridian, Arizona. and designated  
 (State)  
 as Survey No. 4364, 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 exp-  
 ended and improvements made upon or for the benefit of the lode  
 (lode or placer)  
 location— embraced in the said mining claim by claimant— or his 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.

Bisbee, Arizona  
 (Place)  
May 15, 1952.  
 (Date)

Ralph L. Motz  
 (Mineral Surveyor)

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF  
MINING CLAIM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
~~GENERAL LAND OFFICE~~  
Division of Cadastral Engineering  
~~MINERAL SURVEY OFFICE~~

At Albuquerque, New Mexico

August 26, 1952

I, Office Cadastral Engineer at Albuquerque, New Mexico

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the  
Mining Claim of Randolph Jenks

....., known as the  
GREENLEE lode

situate in Old Hat ..... mining district,  
Pima County, Arizona

in Section 15 ....., Township No. 11 South ....., Range No. 16 East

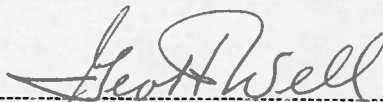
G&SRM Arizona ....., designated as Survey No. 4364

executed by Ralph L. Motz ....., Mineral

Surveyor, March 13 and 14 ....., 1952, under my instructions dated

February 25 ....., 1952, 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.



Geo. H. Well Office Cadastral Engineer.