

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



MINERAL SURVEY NO. 4369

RECEIVED
U. S. LAND OFFICE
Phoenix, Arizona
SEP 8 1952

Hour _____

Arizona Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

G. H. Flewelling

Known As The

WHITEWING lode

Old Hat

Mining District,

Pima

County, Arizona

Section 9, Township 11 S., Range 16 E., G&SRM

Surveyed under order dated May 1, 19 52

by Ralph L. Motz
Mineral Surveyor.

Claim located April 15, 19 43

Survey commenced May 23, 19 52

Survey completed May 24, 19 52

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

DATES OF AMENDED LOCATIONS

April 12, 1952

Survey No. 4369

9384 .0M yevuu

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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:-

May 23, 1952 at Cor. No. 2 of the Whitewing 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. 1 of the Whitewing lode to the sun.

Mean time of observation, 105th

meridian standard time - - - - - 8h. 15m., A. M.

Declination of the sun at mean

time of observation - - - - - $20^{\circ} 39' 11'' N.$

Mean observed vertical angle to

sun's center - - - - - $35^{\circ} 05'$

Mean horizontal angle from reference

point to sun's center - - - - - $61^{\circ} 36' S-E$

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 $13^{\circ} 30' E.$

 WHITEWING lode.

Beginning at Cor. No. 1 of the Whitewing lode, identical with Cor. No. 4 of Survey No. 4366 Comanche lode

An iron post, $3/4$ ins. diam., 28 ins. above ground in a mound of stones, with brass cap, 3 ins. square, with 1 inch faces, mkd. C-4-4366 and W-1-4369; from which

The corner of Sections 9, 10, 15 and 16, T. 11 S., R. 16 E., G. & S. R. M. bears $S. 48^{\circ} 03' 30'' E.$, 916.3 ft. dist., being an iron pipe with brass cap, firmly set and marked as follows:-

9 10
 16 15 16

A monument of rocks, 4 ft. high, 4 ft. base bears northerly 4 ft.

Survey No. 4369

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Feet	
	Thence S. 32° 05' W.,
300	Lode line; discovery point bears N. 57° 55' W., 90 ft. dist.
385	Cross Comanche Wash, 10 ft. wide, course S. 28° E.
600	Cor. No. 2; identical with Cor. No. 3 of Survey No. 4366 Comanche lode; and Cor. No. 4 of Survey No. 4366 Adobe lode
	An iron pipe, 3/4 ins. diam., 18 ins. above ground in a mound of stone, mkd. C-3-A-4-4366 and W-2-4369; from which
	A monument of rocks, 4 ft. high, 4 ft. base, bears northerly 4 ft.
	Thence N. 57° 55' W.,
1500	Cor. No. 3
	Set an iron pipe 3/4 ins. diam., 36 ins. long, 18 ins. in the ground in a mound of stones, with brass cap, 3 ins. square, with 1 inch faces, mkd. W-3-4369; from which
	A monument of stones, 4 ft. high, 4 ft. base bears westerly 3 ft.
	Thence N. 32° 05' E.,
300	Lode line, discovery point bears S. 57° 55' E., 1410 ft. dist.
520	Cross Comanche Wash, 5 ft. wide, course S. 27° E.
600	Cor. No. 4
	Set an iron pipe, 3/4 ins. diam., 36 ins. long, 16 ins. in the ground in a mound of stones, with brass cap, 3 ins. square, with 1 inch faces, mkd. W-4-4369; from which
	A monument of stones, 4 ft. high, 4 ft. base, bears northwesterly 4 ft.
	Thence S. 57° 55' E.,
1500	Cor. No. 1 and place of beginning.

AREA acres.

Total area, Whitewing lode - 20.661

LOCATION.

This survey is located in the SE 1/4 of Section 9, T. 11 S., R. 16 E., G. & S. R. M., Arizona.

The survey of the Whitewing lode is identical with the amended 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 cut of the Whitewing lode, the face of which being the discovery point is on the lode line, 90 feet from a point on line 1-2, 300 ft. from Cor. No. 1; 6 ft. wide, 12 ft. face, runs N. 32° E., 14 ft. to face
Value \$150
- No. 2 An open cut, the mouth of which bears N. 79° 30' W., 280 ft. from Cor. No. 1 of the Whitewing lode; 5 ft. wide, 10 ft. face, runs North 12 ft. to face
Value \$100
- No. 3 An open cut, the mouth of which bears S. 71° 30' W., 215 ft. from Cor. No. 1 of the Whitewing lode; 6 ft. wide, 8 ft. face, runs North 12 ft. to face
Value \$90
- No. 4 An open cut, the mouth of which bears N. 32° 05' E., 270 ft. from Cor. No. 2 of the Whitewing lode; 8 ft. wide, 12 ft. face, runs N. 30° E., 15 ft. to face and portal of tunnel, 4x7 ft. in size, runs N. 10° E., 15 ft. to bend, thence North 10 ft. to breast. This open cut and tunnel is situated on both the Whitewing lode and the Comanche lode of Survey No. 4366 and the work has been done for the benefit of both claims.
Value \$550 - Value of 1/2 interest \$275
- No. 5 An open cut, the mouth of which bears N. 32° 05' E., 240 ft. from Cor. No. 2 of the Whitewing lode; 24 ft. wide, 15 ft. face, runs N. 20° E. 128 ft. to face. At the northwest corner of the cut is a tunnel, 4x7 ft. in size, running N. 10° E., 15 ft. to breast. In the bottom of the open cut is a shaft, 5x6 ft. in size, 60 ft. deep. This improvement is also located on both of the above mentioned lode claims and has been done for the benefit of both claims.
Value \$2480 - Value of 1/2 interest \$1240

OTHER IMPROVEMENTS.

An open cut, the mouth of which bears S. 83° 30' W., 270 ft. from point on line 1-2 of the Whitewing lode 300 ft. from Cor. No. 1; 53 ft. wide, 15 ft. face runs North 20 ft. to face. In bottom of open cut is a shaft, the present dimensions of which are 12x15 ft. in size, 15 ft. deep. From size of dump it appears that the shaft may have been 100 ft. deep.

FIELD ASSISTANTS.

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 May 1, 1952, I have faithfully and correctly executed the survey
of the mining claim of G. H. Flewelling

known as the Whitewing lode
(lode, placer, or millsite)
situate in Old Hat Mining District

Pima County, Arizona in Sec. 9 T. 11 S., R. 16 E.

Gila and Salt River Meridian, Arizona, and designated
(State)

as Survey No. 4369, 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

location— embraced in the said mining claim by claimant— or his grantors
(lode or placer)

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)

Ralph L. Motz
(Mineral Surveyor)

May 26, 1952.
(Date)

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
~~PUBLIC LAND SURVEY DISTRICT~~

At Albuquerque, New Mexico

September 2, 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 G. H. Flewelling

....., known as the
Whitewing lode

situate in Old Hat mining district,

Pima County, Arizona

in Section 9....., Township No. 11 South....., Range No. 16 East

G&SRM Arizona....., designated as Survey No. 4369

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

Surveyor, May 23 and 24, 1952....., 19, under my instructions dated

May 1, 1952....., 19, 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
Geo. H. Well, Office Cadastral Engineer.