

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4522

ARIZONA

Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

T-BONE RANCHES, INC.

Known As The

MONTEZUMA and ROCK HOUSE

FLOURINE Mining District,

GILA County, ARIZONA

Section 22, Township 7 N., Range 15 E.

Surveyed under order dated February 18, 1960
Amd. order March 31, 1964

by OSCAR T. SMITH
Mineral Surveyor.

Montezuma Located May 22, 1915
Rock House Located April 2, 1937

Claim located, 19

Survey commenced April 20, 1960

Survey completed April 1, 1964

Address of claimant Young, Arizona

DATES OF AMENDED LOCATIONS

Montezuma, August 17, 1954

Rock House, August 17, 1954 and

December 5, 1960

SURVEY NO. 4522

1.

Chains

This survey was made with a C. L. Berger & Sons Transit No. 11315, with horizontal limb 5.65 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 eyepiece is equipped with a colored shade set in the dust shutter 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:

April 22, 1960, at cor. No. 4 of the Montezuma lode, in latitude $33^{\circ}56'7''$ N., and longitude $110^{\circ}47'15''$ W., I

made a series of six altitude observations upon the sun for azimuth at approximately equal time intervals, three each with the telescope in direct and reversed positions, observing opposite limbs of the sun, and reading the horizontal angle from a reference point about 600 ft. northward N.W. to the sun.

Mean time of observation, 105th
meridian standard time = 4:12:20 P.M.

Declination of sun at mean time
of observation = $12^{\circ}27'12''$ N.

Mean observed vertical angle to
sun's center = $28^{\circ}30'42''$

Mean horizontal angle from
reference point to sun's
center = $110^{\circ}49'40''$ N.W.

True bearing to reference point = N $16^{\circ}49'47''$ E.

The lines were measured with a Keuffel & Esser steel tape 500 ft. in length, graduated every foot for 500 ft.; the first and last foot graduated in tenths and hundredths; the tape was compared with a standard 100 ft. invar 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 declination observed at each corner of the survey gave a uniform value of $14^{\circ}45'$ E.

SURVEY NO. 4522

Feet

MONTÉZUMA LODÉ

At cor. No. 1 of the Montezuma lode

Set an iron pipe, 3 ft. long, 2 ins., diam., 18 ins. ins. in the ground, with brass cap mkd. M-1-4522; from which

The 1/4 sec. cor. of secs. 21 and 22, T. 7 N., R. 15 E., G. & S. R. M., bears S. $50^{\circ}19'20''$ W., 1103.19 ft. dist, a limestone rock firmly set, mkd. and witnessed as described in the official records.

CHAINS Feet	
	No local bearing objects or bearing trees available. Thence N. 16°50' E.
300.00	Lode line; the discovery point bears S. 74°14' E., 1450.00 ft. dist.
600.00	Cor. No. 2. Set an iron pipe 3 ft. long, 2 ins. diam., 18 ins. in the ground, with brass cap mkd. M-2-4522. No local bearing objects or bearing trees available. Thence S. 74°14' E.
1500.00	Cor. No. 3. On line 1-2 Rock House lode of this survey. Set an iron pipe 3 ft. long, 2 ins. diam., 18 ins. in the ground, with brass cap mkd. M-3-4522. No local bearing objects or bearing trees available. Thence S. 16°50' W.
300.00	Lode line; discovery point bears N. 74°14' W., 50 ft. dist.
557.08	Intersect cor. No. 1 Rock House lode of this survey.
600.00	Cor. No. 4. Set an iron pipe 3 ft. long, 2 ins. diam., 18 ins. in the ground, with brass cap mkd. M-4-4522. No local bearing objects or bearing trees available. Thence N. 74°14' W.
1500.00	Cor. No. 1, and the place of beginning.
ROCK HOUSE LODGE	
	Beginning at cor. No. 1 of the Rock House lode on line 3-4 of the Montezuma lode of this survey. Set an iron pipe 3 ft. long, 2 ins. diam., 18 ins. in the ground, with brass cap mkd. RH-1-4522; from which The 1/4 sec. cor. of secs. 21 and 22 bears S. 81° 39' 40" W., 2329.69 ft. dist.; previously described. No local bearing objects or bearing trees available. Thence N. 16°50' E.

SURVEY NO. 4522

Chains =	
300.00	Lode line; discovery shaft bears N. 89°52' E., 1140 ft. dist.
557.08	Intersect cor. No. 3 Montezuma lode of this survey.
600.00	Cor. No. 2. Set an iron pipe 3 ft. long, 2 ins. diam., 18 ins. in the ground, with brass cap mkd. RH-2-4522; from which The southeast cor. of the May lode bears S. 63°10' 16" E., 659.12 ft. dist. No local bearing objects or bearing trees available. Thence N. 89°52' E.
87.81	Intersect the southerly end line of the May lode at a point from which the southeast cor. bears S. 59°14' E., 582.22 ft. dist.
766.22	Intersect the Easterly side line of the May lode at a point from which the southeast cor. bears S. 30° 46' W., 348.22 ft. dist.
1500.00	Cor. No. 3. Set an iron pipe 3 ft. long, 2 ins. diam., 18 ins. in the ground, with brass cap mkd. RH-3-4522. No local bearing objects or bearing trees available. Thence S. 16°50' W.
300.00	Lode line; discovery shaft bears S. 89°52' W., 360 ft. dist.
600.00	Cor. No. 4. Set an iron pipe 3 ft. long, 2 ins. diam., 18 ins. in the ground, with brass cap mkd. RH-4-4522. No local bearing objects or bearing trees available. Thence S. 89°52' W.
1500.00	Cor. No. 1, and the place of beginning.

SURVEY NO. 4522

AREAS	Acres
Total area, Montezuma lode	20.657 ✓
Total area, Rock House lode	19.790 ✓
Area in conflict with May lode unsurveyed	2.328 ✓

SURVEY NO. 4522

Claims

LOCATION

This survey is located in the N.E. 1/4 and the N.W. 1/4 of sec. 22, T. 7 N., R. 15 E., G. & S. R. M.

The survey of the Montezuma and Rock House lodes is identical with the respective location or 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 each of the lode locations embraced in said mining claim by the claimant or its grantors are as follows:

- | | |
|--------|--|
| No. 1 | The discovery point of the Montezuma lode is on the lode line 50 ft. from the center of line 3-4
No value. |
| No. 3 | A diamond drill hole, the center of which bears N. 62°21' W., 247 ft. from cor. No. 4 Montezuma lode; 35 ft. deep.
Value, \$52.50 |
| No. 4 | A diamond drill hole, the center of which bears N. 70°51' W., 280 ft. from cor. No. 4 Montezuma lode; 32 ft. deep.
Value, \$48.00 |
| No. 5 | A diamond drill hole, the center of which bears N. 70°06' W., 330 ft. from cor. No. 4 Montezuma lode; 31 ft. deep.
Value, \$46.50 |
| No. 6 | A diamond drill hole, the center of which bears N. 65°56' W., 360 ft. from cor. No. 4 Montezuma lode; 33 ft. deep.
Value, \$49.50 |
| No. 7 | A diamond drill hole, the center of which bears N. 71°21' W., 353 ft. from cor. No. 4 Montezuma lode; 35 ft. deep.
Value, \$52.50 |
| No. 8 | A diamond drill hole, the center of which bears N. 72°16' W., 387 ft. from cor. No. 4 Montezuma lode; 35 ft. deep.
Value, \$52.50 |
| No. 9 | A diamond drill hole, the center of which bears N. 70°21' W., 475 ft. from cor. No. 4 Montezuma lode; 34 ft. deep.
Value, \$51.00 |
| No. 10 | A diamond drill hole, the center of which bears N. 75°36' W., 508 ft. from cor. No. 4 Montezuma lode; 32 ft. deep.
Value, \$48.00 |

SURVEY NO. 4522

5.

Chains	
No. 11	<p>A diamond drill hole, the center of which bears N. 69° 16' W., 585 ft. from cor. No. 4 Montezuma lode; 36 ft. deep. Value, \$54.00</p>
No. 12	<p>A diamond drill hole, the center of which bears N. 75° 36' W., 655 ft. from cor. No. 4 Montezuma lode; 32 ft. deep. Value, \$48.00</p>
No. 1	<p>The discovery trench of the Rock House lode, the center of which being the discovery point is on the lode line 360 ft. S. 89°52' W., from the center of line 3-4; 12 ft. wide, 10 ft. deep; running N. 20° W., 20 ft. and S. 20° E., 20 ft. Value, \$200.00</p>
No. 2	<p>A diamond drill hole, the center of which bears S. 88° 52' E., 175 ft. from cor. No. 2 Rock House lode; 35 ft. deep. Value, \$52.50</p>
No. 3	<p>A diamond drill hole, the center of which bears S. 88° 52' E., 255 ft. from cor. No. 2 Rock House lode; 36 ft. deep. Value, \$54.00</p>
No. 4	<p>A diamond drill hole, the center of which bears S. 88° 26' E., 350 ft. from cor. No. 2 Rock House lode; 34 ft. deep. Value, \$51.00</p>
No. 5	<p>A diamond drill hole, the center of which bears S. 85° 37' E., 350 ft. from cor. No. 2 Rock House lode; 35 ft. deep. Value, \$52.50</p>
No. 6	<p>A diamond drill hole, the center of which bears S. 82° 32' E., 310 ft. from cor. No. 2 Rock House lode; 34 ft. deep. Value, \$51.00</p>
No. 7	<p>A diamond drill hole, the center of which bears S. 74° 37' E., 260 ft. from cor. No. 2 Rock House lode; 35 ft. deep. Value, \$52.50</p>
	<p>An interest in common improvements described as follows:</p>
No. 2	<p>A tunnel, 5x8 ft. in size, the portal of which bears S. 83°43' W., 385 ft. from cor. No. 4 Montezuma lode and runs N. 17° W., 90 ft.; thence N. 79° E., 70 ft. to breast. Value, \$3,225.00 Value of one-third interest, \$1075.00.</p>
	<p>This improvement is for the development of the Montezuma and Rock House lodes of this survey and the Montezuma No. 1 (unsurveyed) lode, which are all the contiguous lode claims owned in common within the range of benefit of said tunnel.</p>

Claims

Five hundred dollars or over has been expended in these improvements in such a manner as tends to the development of each lode of this survey subsequent to its location and to the time since which common ownership and contiguity have prevailed, therefore an undivided one-third interest in its value is hereby credited to each of said lodes and a like interest apportioned to each of the other stated lode of the common group.

OTHER IMPROVEMENTS

None.

OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

None.

FIELD ASSISTANTS

Name

Capacity

Michael Erickson

Chainman

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

August 22, 1964

I, OSCAR T. SMITH

Mineral Surveyor, hereby certify upon honor that in pursuance of an order received from the office

Cadastral Engineer, at Phoenix, Arizona

and Amended

dated February 18, 1960 March 31, 1964, I have faithfully and correctly executed the survey of

the mining claim of T-Bone Ranches, Inc.

known as the Montezuma and Rock House lodes

(Lode, placer, or mill site)

situate in Flourine Mining District, Gila County, Sec. 22

T. 7 N., R. 15 E., G. & S. R. Meridian, Arizona

(State)

designated as Survey No. 4522, which is represented in the foregoing 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 expended and improvements made

upon or for the benefit of the lode location(s) embraced in the said mining claim by

(Lode or placer)

claimant(s) or its 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.

Globe, Arizona
(Place)

Oscar T. Smith
(Mineral Surveyor)

CERTIFICATE OF APPROVAL

Bureau of Land Management
Arizona State Office

(Office)

Phoenix, Arizona October 13, 1964

(Place)

(Date)

The foregoing field notes of mineral survey No. 4522, in Section 22

T. 7 North, R. 15 East, Gila & Salt River Meridian,

executed by Oscar T. Smith, Mineral Surveyor,

(State)

Amended

under order dated Feb. 18, 1960 & March 31, 1964, having been critically examined and the necessary corrections made prior to their certification by the surveyor, the field notes and the survey therein described are hereby approved.

Fred J. Weiler
Fred J. Weiler

State Director

(Title)

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of field notes of the above described mineral survey No. is a true copy of the original field notes.

(Title)

