

MINERAL SURVEY No. 4170

PHOENIX Land District

### FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Frank W. Ferguson and Joe Roberts

KNOWN AS THE

DEER LODGE, DEER LODGE NO. 1 and DEER LODGE APEX lodes

Humburg Mining District,

Yavapai County, Arizona

Sections	<u>1</u>		<u>8 N</u>		<u>1 W.</u>	
	<u>6</u>	, Townships	<u>8 N</u>		<u>1 E.</u>	<u>G &amp; S R.</u>
	<u>31</u>		<u>9 N</u>		<u>1 E.</u>	<u>B &amp; M</u>

Surveyed under instructions dated August 17, 1933

By Ralph L. Motz  
U. S. Mineral Surveyor.

Claim located September 27, and October 14, 1930

Survey commenced August 18, 1933

Survey completed August 20, 1933

Address of claimant Frank W. Ferguson,  
738 E. McKinley St., Phoenix, Arizona.

#### DATES OF AMENDED LOCATIONS

Deer Lodge - July 26, 1933

Deer Lodge No. 1 - July 27, 1933.

Deer Lodge Apex - July 28, 1933.

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SURVEY NO. 4170

Mineral Survey No. 4170 was made with a Gurley & Sons Precise Transit, Light Mountain Type, 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 transit is equipped with prismatic eyepiece with colored glass slide for making direct observations upon the sun. The instrument was in good condition at the time of survey and all adjustments were in good order. An a. m. altitude observation of the sun for time and azimuth, and at noon on the meridian for latitude, were made at Cor. No. 1 of the Deer Lodge lode, the details of which observations are shown in the calculation sheets herewith submitted for examination. All azimuths in this record are referred to the true meridian thus determined, by the method of deflection angles and calculated courses.

The lines were measured with a Lufkin steel tape 300 feet in length, graduated to feet, tenths and hundredths for entire length; and a Lufkin steel tape 150 feet in length, graduated to feet, tenths and hundredths; both tapes were compared with a Lufkin standard 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  $14^{\circ} 50'$  E.

DEER LODGE.

Beginning at Cor. No. 1 of the Deer Lodge lode, where I

Set a granite rock, 27x11x4 ins., 16 inches in the ground, for Cor. No. 1, marked DL-1-4170; from which,

The east  $\frac{1}{4}$  Cor. of Sec. 1, T.8 N., R.1 W., G. & S.R.B. & M., an iron post with brass cap, properly set and marked, bears  $S. 26^{\circ} 22' E., 196.3$  ft. dist.

A monument of rocks 3 feet high, with 3 feet base, bears 5 feet in a northerly direction.

A granite ledge 7x51 ins., 33 inches above ground, bears  $S. 34^{\circ} 02' W., 36.75$  ft.; marked BR x DL-1-4170

A granite ledge 10x19 ins., 36 inches above ground, bears  $N. 13^{\circ} 30' E., 50.1$  ft., marked BR x DL-1-4170

Identical with the N. E. Cor. of the Little Mint lode, unsurveyed, claimant F. P. Fogarty; and with the ~~the~~ N. W. Cor. of the Advance lode, unsurveyed, claimant F. P. Fogarty.

thence  $N. 33^{\circ} 00' E.$

198.0 Center of west fork of Rock Wall Canyon, width 20 feet, course  $S. 45^{\circ} E.$

1496.5 Cor. No. 2

Identical with N. E. Cor. of the Sink To Rise lode, unsurveyed, F. P. Fogarty, Claimant.

Set a granite rock 28x11x7 ins., 16 inches in the ground, for Cor. No. 2, marked DL-2-4170; from which

A granite ledge 32x37 ins., 14 inches above ground, bears  $S. 82^{\circ} 00' W., 7.5$  ft., marked BR x DL-2-4170

A granite ledge 18x25 ins., 5 inches above ground, bears  $N. 14^{\circ} 15' W., 16.6$  ft., marked BR x DL-2-4170

A mound of stones 3 feet high, with 3 feet base, bears 4 feet in



a southwesterly direction.

thence S. 57° 00' E.

- 55.3 To Cor. No. 3, Deer Lodge No. 1 lode, this survey.
- 300.0 To Original location for the north end center, being a mound of stones 3 feet high with 3 feet base.
- 355.3 To south end center, Deer Lodge No. 1 lode, this survey.
- 600.0 Cor. No. 3
- On granite ledge, vertical face 14 feet high 56 feet long, point for Cor. No. 3 marked DL-3-4170 X; from which
- A point on same granite ledge bears N. 5° 00' E., 15.3 ft., marked BR x DL-3-4170
- A granite ledge 18x38 inches, 11 inches above ground bears N. 85° 03' E., 33.1 ft., marked BR x 3-4170 DL
- thence S 33° 00' W
- 150.0 To west end center, Deer Lodge Apex lode, this survey.
- 621.6 Cor. No. 3, Deer Lodge Apex lode, this survey.
- 665.0 Center East Fork, Rock Wall Canyon, 20 feet wide, course N. 80° W.
- 1496.5 Cor. No. 4
- Identical with the N. E. Cor., Advance lode, unsurveyed, F. P. Fogarty, Claimant
- Set a granite rock 25x9 x4 ins., 16 inches in the ground, for Cor. No. 4, marked x DL-4-4170, from which
- A mound of rocks 3 feet high, with 3 feet base, bears 5 feet in a northerly direction.
- A granite ledge 12x24 ins., 15 inches above ground, bears N. 45° 05' E., 6.5 ft., marked BR x DL-4-4170
- thence N. 57° 00' W.
- 300.0 Original location for the south end center, being a mound of stones 3 feet high, with 3 feet base.
- 330.0 Center of East Fork, Rock Wall Canyon, 20 feet wide, course S. 45° W.
- 455.0 Center of West Fork, Rock Wall Canyon, 20 feet wide, course S. 10° E.
- 600.0 Cor. No. 1 and place of beginning.

#### DEER LODGE NO. 1.

Beginning at Cor. No. 1 of the Deer Lodge No. 1 lode, where I

Set a granite rock 26x6x8 ins., 16 inches in the ground, for Cor. No. 1, marked x DL1-1-4170; from which

The South 1/4 Cor. of Sec. 31, T. 9 N., R. 1 E., G. & S. R. B. & M., an iron post properly set with brass cap properly marked, bears N. 80° 18' E. 445.9 ft. dist.

A monument of rocks 3 feet high, with 3 feet base, bears 4 feet in a westerly direction.

thence S. 35° 02' W. 109.6 ft.  
1092.37 Intersect line 4-1 Deer Lodge Apex lode this survey, at a point from which Cor. No. 4 bears S. 72° 30' W. 109.6 ft.

1498.8 Cor. No. 2  
Set granite rock 28x9x5 ins., 16 inches in the ground, for Cor. No. 2, marked DL-2-4170; from which

A monument of rocks 3 feet high with 3 feet base, bears 5 feet in a northwesterly direction

A granite ledge 84x84 ins. 60 inches above ground, bears S. 12° 30' E. 4.5 ft., marked BR x DL-2-4170

A granite ledge 12x13 ins., 39 inches above ground, bears S. 40° 02' W. 8.5 ft., marked BR x DL-2-4170

thence N. 57° 00' W.

25.0 Center of East Fork, Rock Wall Canyon, 20 feet wide, course S. 5° W.

55.3 Cor. No. 3 of the Deer Lodge lode this survey and intersect line 3-4 of the Deer Lodge Apex lode of this survey at a point from which Cor. No. 4 bears N. 33° 00' E. 321.6 ft.

300.0 Original location for the south end center, being a mound of stones 3 feet high with 3 feet base.

355.3 To north end center, Deer Lodge lode, this survey.

600.0 Cor. No. 3

Set granite rock 27x10x7 ins., 16 inches in the ground, for Cor. No. 3, marked DL-3-4170

No bearings available.

thence N. 35° 02' E.

1498.8 Cor. No. 4

Set a granite rock 28x8x7 ins., 16 inches in the ground for Cor. No. 4, marked DL-4-4170

No bearings available.

thence S. 57° 00' E.

40.0 Center of East Fork of Rock Wall Canyon, 15 feet wide, course South.

300.0 Original location for the north end center, being a mound of stones 3 feet high with 3 feet base.

600.0 Cor. No. 1 and place of beginning.

#### DEER LODGE APEX.

Beginning at Cor. No. 1 of the Deer Lodge Apex lode, where I

Set a granite rock 28x9x6 ins., 16 inches in the ground, for Cor. No. 1, marked DL-1-4170; from which

The South 1/4 Cor. of Sec. 31, T 9 N, R 1 E, G & S R-B & M, being an iron post with brass cap properly set and marked SC S 31 1/4 bears N. 25° 11' W. 609.8 ft.

thence S. 33° 00' W.



471.6 Original location for the east end center, being a mound of stones 3 feet high with 3 feet base.

943.2 Cor. No. 2

Set a schist rock, 28x8x5 ins., 16 inches in the ground, for Cor. No. 2, marked DLA-2-4170; from which  
A monument of rocks 3 feet high with 3 feet base, bears 4 feet in a northerly direction.

thence  $3.72^{\circ} 30' W.$

1392.0 Center of the East Fork of Rock Wall Canyon, 20 feet wide, course  $S. 40^{\circ} W.$

1500.0 Cor. No. 3

Set a granite rock 25x9x7 ins., 16 inches in the ground, for Cor. No. 3, marked DLA-3-4170; from which

A monument of rocks 3 feet high with 3 feet base, bears 4 feet in a northeasterly direction.

A granite rock in place 14 x 14 ins., 11 inches above ground, bears  $S. 60^{\circ} 10' E. 25.7 ft.$ , marked BR x DLA-3-4170

A granite ledge 30x43 ins., 32 inches above ground, bears  $N. 56^{\circ} 30' W. 5.3 ft.$ , marked BR x DLA-3-4170

thence  $N. 33^{\circ} 00' E.$

471.6 Original location for the west end center, being a mound of stones 3 feet high with 3 feet base.

621.6 To Cor. No. 3 of the Deer Lodge lode of this survey, also intersect line 2-3 of the Deer Lodge No. 1 lode of this survey at a point from which Cor. No. 2 bears  $S. 57^{\circ} 00' E. 55.3 ft.$

695.0 Center of the East Fork of Rock Wall Canyon, 20 feet wide, course  $S. 5^{\circ} W.$

943.2 Cor. No. 4

Set a granite rock 26x7x4 ins., 16 inches in the ground, for Cor. No. 4, marked DLA-4-4170; from which

A monument of rocks, 3 feet high with 3 feet base, bears 4 feet in a southerly direction.

thence  $N. 72^{\circ} 30' E.$

109.6 Intersect line 1-2 of the Deer Lodge No. 1 lode of this survey at a point from which Cor. No. 2 bears  $S. 35^{\circ} 02' W. 406.43 ft.$

1500.0 Cor. No. 1 and place of beginning.

#### LODE LINES.

The presumed course of the vein of each of the several lode locations embraced in this survey, counted from the respective points of discovery, is as follows:

Deer Lodge lode,  $S. 33^{\circ} 00' W. 220.0 ft$  and  $N. 33^{\circ} 00' E. 1276.5 ft.$

Deer Lodge No. 1 lode,  $S. 35^{\circ} 02' W. 150.0 ft.$  and  $N. 35^{\circ} 02' E. 1348.8 ft.$

Deer Lodge Apex Lode,  $S. 72^{\circ} 30' W., 75.0 ft.,$  and  $N. 72^{\circ} 30' E., 1425.0 ft.$

#### AREAS.

Total Area, Deer Lodge Lode - - - - - 20.613 Acres  
 Total Area, Deer Lodge No. 1 lode - - - - - 20.632 Acres  
 Total Area, Deer Lodge Apex lode - - - - - 20.659 Acres  
 Area in Conflict with  
 Deer Lodge No. 1 lode, of this survey - - - - - 0.515 Acres

LOCATION.

This survey is located in the SE.1/4 of the SW.1/4 of Sec. 31, T. 9 N., R.1 E.; Lots 2, 3, 4 and 5, Sec. 6, T.8 N., R.1 E.; and the SE. 1/4 of the NE.1/4 of Sec. 1, T.8 N., R.1 W., all of G. & S. R. B. & M.

The survey of each of the claims of this survey is identical with the respective amended location as marked on the ground.

EXPENDITURE OF \$500.

I certify that the value of the labor and improvements made upon each of the lode locations embraced in said mining claim by the claimants or their grantors is not less than \$500, and that said improvements consist of:-

DEER LODGE Lode.

- No. 1 The discovery cut of the Deer Lodge lode, the face of which being the discovery point, is on the lode line 220 ft. from the south end center, ~~xxxx~~ 4 ft. wide, 10 ft. face, runs S. 33° W. 14 ft. to mouth.  
Value - - \$50
- No. 2 A cut 4 ft. wide, 15 ft. face, the mouth of which bears on lode line 107.0 ft. from south end center, runs N. 33° E. 15 ft. to face and portal of tunnel 4x6 ft. in size, running N. 33° E. 106 ft. to breast. The last 46 feet of this tunnel has been run by the claimants.  
Value of 46 feet of tunnel \$368
- No. 3 A cut 5 ft. wide, 12 ft. face, the mouth of which brs. from south end center on lode line 280 ft., runs N. 33° E. 12 ft. to face.  
Value \$ 75
- No. 4 A cut 5 ft. wide, 12 ft. face, the mouth of which bears from south end center on lode line 320 ft. runs N. 33° E. 12 ft. to face.  
Value \$ 75
- No. 5 A cut 7 ft. wide, 10 ft. face, the mouth of which brs. from south end center on lode line 815 ft., runs N. 33° E. 13 ft. to face and portal of tunnel 4x7 ft. in size running N. 33° E. 137 ft. to breast. The last 57 ft. of this tunnel has been run by the claimants.  
Value of 57 ft. of tunnel \$ 570
- No. 6 Trench 3 ft. wide, 6 ft. deep, the south end of which bears from the south end center on lode line 880 ft., runs N. 33° E. 30 ft. to north end.  
Value \$ 150
- No. 7 Trench 2 ft. wide, 4 ft. deep, the south end of which bears from the south end center on lode line 1190 ft., runs N. 43° 45' E. 55 ft. to north end.  
Value \$ 140
- No. 8 Trench 2 ft. wide, 3 ft. deep, the south end of which brs. from point on lode line 1190 ft. from south end center N. 43° 45' E. 60 ft., runs N. 43° 45' E. 30 ft. to north end.  
Value \$ 50
- No. 9 Trench 2 ft. wide, 4 ft. deep, the south end of which brs. from point on lode line 1190 ft. from south end center N. 43° 45' E. 100 ft., runs N. 55° 45' E. 100 ft. to north end.  
Value \$ 250



No. 10 Trench 2 ft. wide, 3 feet deep, the north end of which bears from the north end center S.50° E.56 ft., runs S.33° W.60 ft. to south end.

Value \$ 75

#### DEER LODGE No.1 Lode.

No. 1 The discovery shaft of the Deer Lodge No. 1 lode, the center of which is the discovery point, is on the lode line 150 ft. from the south end center, 4x6 ft., 12 feet deep.

Value \$ 75

No. 2 Trench 3 ft. wide, 6 ft. deep, the south end of which is on the lode line 8 ft. from south end center, runs N.35° 02' E.134 ft. to north end.

Value \$ 402

No. 3 Trench 3 ft. wide, 5 ft. deep, the south end of which is on the lode line 170 ft. from south end center, runs N.35° 02' E.40 ft. to north end.

Value \$ 120

No. 4 Open cut 8 ft. wide, 12 ft. face, the mouth of which bears from south end center on lode line 285 ft., runs S.35° 02' W.18 ft. to face and portal of tunnel 4x6 ft. in size, running N.57° W.10 ft. to breast.

Value of tunnel and open cut \$ 275

#### DEER LODGE APEX Lode.

No. 1 The discovery shaft of the Deer Lodge Apex lode, the center of which is the discovery point, is on the lode line 75 ft. from the west end center, 4x12 ft., 8 ft. deep.

Value \$ 125

No. 2 A drift on vein, the west end of which bears on lode line 820 ft. from the west end center, runs N.72° 30' E.34 ft. to tunnel, thence N.72° 30' E.32 ft. to east breast. Tunnel runs from drift N.28° 40' W.162 ft. to mouth and N.S.28° 40' E.20 ft. to breast. 62 feet of drift has been run by the claimants.

Value of 62 ft. of drift \$620

#### OTHER IMPROVEMENTS.

Shaft 6x8 ft. in size, of considerable depth, collar caved, the center of which bears from the south end center of Deer Lodge lode N.25° E.190 ft.

Shaft 4x6 ft., 8 ft. deep, bears from south end center of Deer Lodge lode N.38° E.435 ft.

Open cut 4 ft. wide, 6 ft. face, runs N.10° W.12 ft. to face, mouth of which bears from north end center of Deer Lodge lode on lode line 410 ft.

Portions of Improvements Nos.2 and 5 of Deer Lodge lode.

Shaft 4x6 ft., 8 ft. deep, bears from west end center of Deer Lodge Apex lode on lode line 820 ft.

Shaft 4x6 ft., 8 ft. deep, bears from west end center of Deer Lodge Apex lode on lode line 840 ft.

Shaft 4x6 ft., 28 ft. deep, bears from west end center of Deer Lodge Apex lode on lode line 865 ft.

Portion of Improvement No. 2 Deer Lodge Apex lode.

Claimants of all the above unknown.



# FINAL OATHS FOR SURVEYS

## LIST OF NAMES

A list of the names of the individuals employed by Ralph L. Motz

United States Mineral Surveyor, to assist in running, measuring, and marking the lines, corners, and boundaries described in the foregoing field notes of the survey of the mining claim of

Frank W. Ferguson and Joe Roberts

known as the Deer Lodge, Deer Lodge No. 1 and Deer Lodge Apex lodes

and showing the respective capacities in which they acted.

Edwin J. Rowley, Chainman.

....., Chainman.

Salvador Espinoza, Axman.

....., Flagman.

## FINAL OATHS OF ASSISTANTS

We, Edwin J. Rowley

and Salvador Espinoza, do solemnly swear that we assisted

Ralph L. Motz, United States Mineral Surveyor, in marking the corners and surveying

the boundaries of the mining claim of Frank W. Ferguson and Joe Roberts

known as the Deer Lodge, Deer Lodge No. 1 and Deer Lodge Apex lodes

represented in the foregoing field notes as having been surveyed by said mineral surveyor and under his

direction; and that said survey has been in all respects, to the best of our knowledge and belief, faithfully

and correctly executed, and the corner and boundary monuments established according to law and the instruc-

tions furnished by the Office Cadastral Engineer, at Phoenix, Arizona.

Edwin J. Rowley, Chainman.

....., Chainman.

Salvador Espinoza, Axman.

....., Flagman.

Subscribed and sworn to by the above-named persons before me this 21st

day of August, 19 33

Mary Perry

Notary Public, in and for the County Maricopa  
of Maricopa State of Arizona

My commission expires July 22, 1936





FINAL OATH OF U. S. MINERAL SURVEYOR.

I, Ralph L. Motz, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the Office Cadastral Engineer, at Phoenix, Arizona, dated August 17, 1933, I have, in strict conformity to the laws of the United States, the official regulations and instructions thereunder, and the instructions of said Office Cadastral Engineer, faithfully and correctly executed the survey of the Mining Claim of Frank W. Ferguson and Joe Roberts, known as the Deer Lodge, Deer Lodge No. 1 and Deer Lodge Apex lodes, situate in Humbug Mining District, Yavapai County, Arizona, in Section 16, Township Nos. 8 N, Range Nos. 1 E, G & S R B & M, and designated as Survey No. 4170, as represented in the foregoing field notes, which accurately show the boundaries of said mining claim as distinctly marked by monuments on the ground, and described in the attached copy of the location certificate, which was received by me from the Office Cadastral Engineer with said instructions, and that all corners of said survey have been established and perpetuated in strict accordance with the law, official regulations and instructions thereunder; and I do further solemnly swear that the foregoing are the true and original field notes of said survey and my report therein, and that the labor expended and improvements made upon said mining claim by claimant or their grantors are as therein fully stated, and that the character, extent, location, and itemized value thereof are specified therein with particularity and full detail, and that no portion of said labor or improvements so credited to this claim has been included in the estimate of expenditures upon any other claim.

Ralph L. Motz
U. S. Mineral Surveyor.



Subscribed and sworn to by the said Ralph L. Motz
U. S. Mineral Surveyor, before me C. A. Spezia
Notary Public for Greenlee County, Arizona. this 28th.
day of September, 1933.
My Commission Expires Oct 11th. 1936.

[Signature]

## OFFICE CADASTRAL ENGINEER'S FINAL CERTIFICATE ON FIELD NOTES

## Department of the Interior

PUBLIC SURVEY OFFICE

Phoenix, Arizona

October 12, 1933

I, Office Cadastral Engineer at Phoenix, Arizona

do hereby certify that the foregoing transcript of the Field Notes, return and approval of the survey of the mining claim of

Frank W. Ferguson and Joe Roberts

known as the DEER LODGE, DEER LODGE No. 1, and DEER LODGE APEX

situate in Humburg

Mining District Yavapai County Arizona

in Sections 1, 6, and 31, Townships Nos. 8 and 9 N., Ranges Nos. 1 E. and 1 W., and

designated as Survey No. 4170, has been correctly copied from the originals on file in

this office; that said Field Notes furnish such an accurate description of said mining claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the *locus* thereof.

I further certify that Five Hundred Dollars worth of labor has been expended or improvements made upon, or for the benefit of, each location embraced in said mining claim by claimants Frank W. Ferguson and Joe Roberts or their grantors,

and that said improvements consist of

2 shafts, 4 cuts

7 trenches, 3 tunnels

and 1 drift

Total value \$ 3,420.00

and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

I further certify that the plat thereof, filed in the U. S. Land Office at Phoenix Arizona is correct and in conformity with the foregoing Field Notes.

Sherman C. Fiske

Acting Office Cadastral Engineer.



CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF  
MINING CLAIM

DEPARTMENT OF THE INTERIOR  
PUBLIC SURVEY OFFICE

At Phoenix, Arizona

October 12, 1933

I, Office Cadastral Engineer at Phoenix, Arizona

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

Frank W. Ferguson and Joe Roberts

, known as the

DEER LODGE, DEER LODGE No. 1, AND DEER LODGE APEX lodes

situate in Humbug mining district,

Yavapai County, Arizona

in Sections 1, 6, and 31, Township Nos. 8 and 9 N., Range Nos. 1 E. & 1 W.

G. & S. R. B. & M., designated as Survey No. 4170

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

Surveyor, August 18 - 20, 1933, under my instructions dated

August 17, 1933, 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 <sup>copies</sup> ~~copy~~ of the location certificate, filed by the applicant for survey <sup>are</sup> ~~is~~

on file in this office and ~~a~~ true <sup>copies</sup> ~~copy~~ of said certified <sup>copies</sup> ~~copy~~ of said location certificate <sup>are</sup> ~~is~~ included and

made a part of the transcript of the field notes.

*Sherman C. Fiske*

Sherman C. Fiske

Acting Office Cadastral Engineer.