

4-683

MINERAL SURVEY No. 3949

ARIZONA Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

MRS. M. A. DEEMER.

KNOWN AS THE

AJAX, AJAX NO. 1, and RAVEN Lodes

MINERAL HILL Mining District,

PINAL County, ARIZONA

Section 35, Township 2 South, Range 11 East, Uns.

Surveyed under instructions dated April 24th., 1924.

by Harry E. Jones, U. S. Mineral Surveyor.

Claim located See location notices, 19

Survey commenced April 26th., 1924.

Survey completed April 29th., 1924.

Address of claimant Gibbs & Gibbs, Attys. Gooding Bldg. Phoenix, Arizona.

DATES OF AMENDED LOCATIONS.

-1-

Feet

SURVEY NO. 3949

Ajax Lode

Beginning at Cor. No. 1

Identical with loc. mon. and Cor. 2 Raven lode, and Cor. 4 Ajax No. 1 lode, both of this survey.

A 3½ft. ¾in. pipe with a 2in. brass cap marked U.S. MINERAL SURVEY NO. 3949-1-A; 2-R; 4-A No. 1; set 18ins. in ground and surrounded with a substantial mound of earth and rock.

U. S. M. M. No. 1 bears N. 54° 50' W. 4595.89 ft.

No other suitable bearings available.

Thence N. 70° 15' E.

Along line 4-3 Ajax No. 1 lode of this survey.

300.00 To North End Center;

Identical with South End Center Ajax No. 1 lode of this survey, a substantial mound of stone, whence the loc. mon. bears N. 70° 15' E. 10 ft.

600.00 To Cor. No. 2

Identical with Cor. 3 Ajax No. 1 lode of this survey, A 3½ft. ¾in. pipe with a 2in. brass cap marked U.S. MINERAL SURVEY NO. 3949-2-A; 3-A No. 1; set 18ins. in ground and surrounded with a substantial mound of earth and rock. 5994.20 ft. The W½ Cor. Section 31, T. 2 S. R. 12 E. bears N. 82° 39' E. The loc. mon. bears N. 70° 15' E. 17 ft. No other suitable bearings available.

Thence S. 19° 45' E.

385.00 Cross center of Cottonwood Canyon, 20 ft. wide course SW.

1225.00 Cross center of 5ft. wash, course SW.

1437.20 To Cor. No. 3

A 3½ft. ¾in. pipe with a 2in. brass cap marked U.S. MINERAL SURVEY NO. 3949-3-A; set 16ins. in ground and surrounded with a substantial mound of earth and rock. No suitable bearings available. Loc. Mon. bears S. 68° E. 85ft.

Thence S. 70° 15' W.

300.00 To South End Center

Identical with loc. mon. a substantial mound of stone.

600.00 To Cor. No. 4

Identical with Cor. 3 Raven lode this survey.

A 3½ft. ¾in. pipe with a 2in. brass cap marked U.S. MINERAL

Feet	
	<p>SURVEY NO.3949-4-A;3-R; set 18ins. in ground and surrounded with a substantial mound of earth and rock.</p> <p>The loc. mon. bears S.19°45'E. 47 ft. No other suitable bearings available.</p> <p>Thence N. 19° 45' W.</p> <p>Along line 3-2 Raven lode this survey.</p>
170.00	Enter bed of confluence of washes, course Westerly.
190.00	Leave bed of confluence of washes, course Westerly.
937.20	Cross center of 5 ft. wash, course SE.
1437.20	To Cor. No. 1 the place of beginning.

	Ajax No.1 Lode
	Beginning at Cor. No. 1
	A 3½ft. ½in. pipe with a 2in. brass cap marked U.S.MINERAL SURVEY NO.3949-1-A No.1; set 8ins. in rock and surrounded with a substantial mound of earth and rock; whence the loc. mon. bears N.61°W. 159 ft.
	U. S. M. M. No. 1 bears N. 69° 11' W. 3477.16 ft.
	No other suitable bearings available.
	Thence N. 70° 15' E.
300.00	To North End Center
	A substantial mound of stone, whence the loc. mon. bears N. 1°27'W. 110 ft.
600.00	To Cor. No. 2
	A 3½ft. ½in. pipe with a 2in. brass cap marked U.S.MINERAL SURVEY NO.3949-2-A No.1; set 18ins. in ground and surrounded with a substantial mound of earth and rock; whence the loc. mon. bears N.67°10'E. 78 ft. No other suitable bearings available.
	Thence S. 19° 45' E.
660.00	Cross center of 5ft. wash, course SE.
1500.00	To Cor. No. 3
	Identical with Cor.2 Ajax lode this survey previously described. The loc. mon. bears N.70°15'E. 17 ft. 5994.20ft. The W¼ Cor. Section 31, T.2 S. R. 12 E. bears N.82°39'E. Thence S. 70° 15' W.
	Along line 2-1 Ajax lode this survey.
300.00	To South End Center,

Feet	Identical with the North End Center Ajax lode this survey previously described, whence the loc. mon. bears N.70°15' E. 10 ft.
600.00	To Cor. No. 4 Identical with loc. mon. and Cor.1 Ajax lode, and Cor.2 Raven lode, both of this survey, previously described. Thence N. 19° 45' W.
1500.00	To Cor. No. 1 the place of beginning.
	Raven Lode Beginning at Cor. No. 1
	A 3½ft. ½in. pipe with a 2in. brass cap marked U.S.MINERAL SURVEY NO.3949-1-R; set 18ins. in ground and surrounded with a substantial mound of earth and rock; whence the loc. mon. bears S.80°W. 8 ft.
	U. S. M. M. No. 1 bears N.48° 15' W. 4278.93 ft. No other suitable bearings available. Thence N. 70° 15' E.
300.00	To North End Center A substantial mound of stone, whence the loc. mon. bears N.15°W. 12 ft.
317.00	Cross center of 5ft. wash, course, SE.
600.00	To Cor. No. 2 Identical with loc. mon. and Cor.1 Ajax lode, and Cor.4 Ajax No.1 lode, both of this survey, previously described. The W¼ Cor. Section 31. T. 2 S. R. 12 E. bears N.81°32'E. 6581.38 ft. Thence S. 19° 45' E.
	Along line 1-4 Ajax lode of this survey.
500.00	Cross center of 5ft. wash, course, SE.
1247.20	Enter bed of confluence of washes, course W.
1267.20	Leave bed of confluence of washes, course W.
1437.20	To Cor. No.3 Identical with Cor. 4 Ajax lode this survey previously described; whence the loc. mon. bears S.19°45'E. 47 ft. Thence S. 70° 15' W.
8.00	Cross center of 3 ft. wash, course NW.
300.00	To South End Center A substantial mound of stone, whence the loc. mon. bears

Feet S.43°15'W. 76 ft.

600.00 To Cor. No. 4

A 3½ft. ½in. pipe with a 2in. brass cap marked U.S.MINERAL SURVEY NO.3949-4-R; set 18ins. in ground and surrounded with a substantial mound of earth and rock; whence the loc. mon. bears S.56°27'W. 123 ft.

No other suitable bearings available.

Thence N. 19° 45' W.

320.00 Cross center of Cottonwood Canyon, 25ft. wide, course W.

1437.20 To Cor. No. 1 the place of beginning.

The mean magnetic variation at all corners is 14°20'E.

Lode Lines

As near as can be determined from the present developments the veins of the several locations embraced in this claim extend from their respective discovery points as follows:

Ajax lode, N.19°45'W. 1215 ft. and S.19°45'E. 222.2ft.

Ajax No.1 lode, N.19°45'W. 1490 ft. and S.19°45'E. 10 ft.

Raven Lode, N.19°45'W. 1237.2 ft. and S.19°45'E. 200 ft.

Areas

Total area Ajax lode, 19.796 ✓

Total area Ajax No.1 lode, 20.661 ✓

Total area Raven lode, 19.796 ✓

Location

This claim is located in the SE¼ of Section 35, T. 2 S. R. 11 E. Uns. G&SRB&M. Mineral Hill Mining District, Pinal County, Arizona.

Expenditure of Five Hundred Dollars

I certify that the value of the labor and improvements made upon ~~(or for the benefit of)~~ each of the locations embraced in said mining claim by the claimant or her grantors is not less than Five Hundred Dollars, and that said improvements consist of:

Ajax Lode

- No.1 Dis. incline shaft 5x7x200 ft. deep partially timbered with drifts to the NW. and SE. from the 50 ft. level and 200 ft. level, now filled with water and inaccessible, bears N.19°45'W. 222.2 ft. from the South End Center. Value \$6000.00
- No.2 shaft 4x6x15 ft. deep partially caved bears N.34°40'W. 98 ft. from South End Center. Value \$ 200.00
- No.3 shaft 4x6x6 ft. deep caved bears N.23°15'W. 280 ft. from South End Center. Value \$ 100.00
- No.4 shaft 4x6x12 ft. deep bears N.16°30'W. 372 ft. from South End Center. Value \$ 150.00
- No.5 cut 5x10x9 ft. facing SW. bears N.11°35'W. 421 ft. from South End Center. Value \$ 100.00
- No.6 tunnel 4x6x200 ft. caved in toward face, the general course of which is N.44°W. bears S.18°42'E. 680 ft. from North End Center. Value \$3500.00
- No.7 shaft 4x6x30 ft. deep, bears S.16°05'E. 637 ft. from North End Center. Value \$ 450.00
- No.8 shaft 4x6x8 ft. deep, bears S.16°05'E. 583 ft. from North End Center. Value \$ 100.00

Ajax No.1 Lode

- No.1 Dis. cut 5x23x8 ft. facing SW. bears N.19°45'W. 10ft. from South End Center. Value \$ 150.00
- No.2 shaft 3x4x3 ft. deep bears S.83°30'W. 95 ft. from Cor.3; Value \$ 25.00
- No.3 shaft 4x6x8 ft. deep caved, bears N.14°20'W. 205 ft. from South End Center; Value \$ 100.00
- No.4 shaft 4x6x8 ft. deep bears S.15°25'E. 687 ft. from North End Center; Value \$100.00
- No.5 shaft 4x6x25 ft. deep bears S.13°08'W. 205 ft. from North End Center; Value \$375.00
- No.6 shaft 4x6x8 ft. deep caved, bears S.13°08'W. 125 ft. from North End Center. Value \$100.00

Raven Lode

- No.1 Dis. point an outcropping ledge in place, bears N.19°45'W 200 ft. from South End Center.
- No.2 shaft 4x6x8 ft. deep caved, bears N.13°15'E. 656 ft.

from Cor.4; Value \$100.00
 No.3 shaft 4x6x8 ft. deep, bears N.13°35'E. 679 ft. from
 Cor. 4; Value \$ 100.00
 No.4 shaft 4x6x8 ft. deep, caved, bears N.9°42'E. 780 ft.
 from Cor.4; Value \$ 100.00
 No.5 shaft 4x6x8 ft. deep, caved, bears N.16°15'W. 800 ft.
 from Cor.4; Value \$ 100.00
 No.6 shaft 4x6x10 ft. deep, bears S.17°15'W. 466 ft. from
 Cor.2; Value \$ 100.00
 No.7 shaft 4x6x25 ft. deep; bears S.17°15'W. 357 ft. from
 Cor.2; Value \$ 375.00
 No.8 cut 4x20x8 ft. facing SW. bears S.46°15'W. 237 ft.
 from Cor.2; Value \$100.00

 Other Improvements

over
 A gallows frame ~~and engine house frame~~ are adjacent to the
 No.1 Dis. shaft on the Ajax lode.

 Instrument.

This survey was made with a W. & L. E. Gurley light moun-
 tain transit.

The courses were deflected from true meridians as deter-
 mined from direct sun observations.

The distances were measured with 50 ft. and 660 ft. steel
 tapes.

 Report

The lines of this claim were run directly upon the ground
 and the several corners established by measurements along
 said lines.

The tie lines were run directly upon the ground.

The U. S. M. M. No. 1 to which this survey is tied was a
 4x4 pine post badly decayed and with no distinguishing
 mark visible, the authenticity of which was checked by
 the original bearings to visible mountain peaks; I re-est-
 ablish same with a 2 inch 8 ft. galvanized pipe set 1 ft.
 in ground and surrounded with a mound of stone having a

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6ft. base and being 4.5ft. high; the pipe being stamped U.S. MINERAL MONUMENT NO. 1; MINERAL HILL MINING DISTRICT. The public land corner to which this survey is tied is a schist stone properly set and marked.

The Cors No. 1 of each of the lodes of this claim were tied to the U.S.M.M. No. 1, at the time of the execution of this survey, due to the fact that I did not know of the existence of a public land corner within the two mile limit at the time; I later returned and tied the claims to the public land corner. Any discrepancies which may exist between these notes and the location notices are due to error in the latter.

Adjoining Claims.

This claim is bounded on the North by public land, and on the East, South and West by unknown claims, unsurveyed.

August Jones
U.S. Mineral Surveyor.

Reestablishment of
United States Mineral Monument No. One
Mineral Hill Mining District,
Pinal County, Arizona.

This original 4x4 post in mound of stone, I found to be in a decayed and delapidated condition, with none of the descriptive markings legible, and the authenticity of which was checked by the bearings originally given to the several mountain peaks.

I re-established this monument with an 8 ft. 2 inch galvanized pipe set 12ins. in the ground and surrounded with a mound of stone with 6 ft. base, 4.5 ft. high; the pipe being stamped U.S. MINERAL MONUMENT NO. 1-MINERAL HILL MINING DISTRICT.

By triangulation I determined that a large monument of stone on top of Mineral Mountain bears S. 36° 11' W. 20037.0 ft.

U. S. L. M. No. 2419 bears S. 50° 02' W. 18096.50 ft.

Cor. 1 Ajax No. 1 lode, Sur. No. 3949 bears S. 69° 11' E. 3477.16 ft.


U.S. Mineral Surveyor.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Harry E. Jones,
 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 _____
 _____ Mrs. M. A. Deemer, _____
 known as the Ajax, Ajax No. 1 and Raven lodes _____
 and showing the respective capacities in which they acted.

_____J. L. Jones,_____, *Chainman.*
 _____Lloyd M. Demrick,_____, *Chainman.*
 _____, *Asman.*
 _____, *Flagman.*

FINAL OATHS OF ASSISTANTS.

We, _____J. L. Jones,_____
 and _____Lloyd M. Demrick_____, do solemnly swear that we assisted _____
 _____Harry E. Jones_____, United States Mineral Surveyor, in marking the corners and surveying
 the boundaries of the mining claim of _____
 _____Mrs. M. A. Deemer_____
 known as the _____Ajax, Ajax No. 1 and Raven 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 United States Surveyor-General for _____Arizona._____

_____J. L. Jones_____, *Chainman.*
 _____Lloyd M. Demrick_____, *Chainman.*
 _____, *Asman.*
 _____, *Flagman*

Subscribed and sworn to by the above-named persons before me this 5th._____

day of May_____, 1934.

_____Ralph A. Phillips_____
 _____*Notary Public.*_____

My commission expires June 23rd. 1927.

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, Harry E. Jones, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated April 24th. 1924., I have, in strict conformity to the laws of the United States, the official regulations and instructions thereunder, and the instructions of said Surveyor General, faithfully and correctly executed the survey of the Mining Claim of Mrs. M. A. Deemer, known as the Ajax, Ajax No.1 and Raven lodes, situate in Mineral Hill Mining District, Pinal County, Arizona, in Section 35, Township No.2 South, Range No. 11 East, Unsurveyed, and designated as Survey No. 5949, 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 Surveyor General with said instructions, and that all the 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 her 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.

Harry E. Jones
U. S. Mineral Surveyor.

Subscribed and sworn to by the said Harry E. Jones, U. S. Mineral Surveyor, before me a Notary Public in and for the County of Maricopa State of Arizona this 5th. day of May, 1924.

Ralph A. Phillip
Notary Public.

U. S. SURVEYOR GENERAL'S FINAL CERTIFICATE ON
FIELD NOTES.

DEPARTMENT OF THE INTERIOR,
OFFICE OF U. S. SURVEYOR GENERAL,

Phoenix, Arizona.

June 30, 1924.

I, U. S. Surveyor General for District of Arizona,
do hereby certify that the foregoing transcript of the Field Notes, return and approval
of the Survey of the mining claim of

Mrs. M. A. Deemer

, known as the AJAX, AJAX NO. 1, and RAVEN lodes

, situate in Mineral Hill

Mining District, Pinal County,

Arizona, in Section 35, Township No. 2 S.,

Range No. 11 East, Unsur., and designated as Survey

No. 3949, 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.

And I further certify that five hundred dollars' worth of labor has been expended
or improvements made upon ^{each of} said mining claims by claimant or her grantors, and
that said improvements consist of 17 shafts, 3 cuts, 1 tunnel and 2
drifts, total value \$12,425.

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.

Charles M. Donohoe

United States Surveyor General for Arizona.

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**SURVEYOR GENERAL'S CERTIFICATE OF APPROVAL OF FIELD NOTES
AND SURVEY OF MINING CLAIM**

**DEPARTMENT OF THE INTERIOR
OFFICE OF U. S. SURVEYOR GENERAL**

Phoenix, Arizona.

June 30, 1924

I, U. S. Surveyor General for District of Arizona

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

Mrs. M. A. Deemer

, known as the

AJAX, AJAX NO. 1, and RAVEN lodes

situate in Mineral Hill mining district,

Pinal County, Arizona

in Section 35, Township No. 2 South, Range No. 11 East, Uns.

, designated as Survey No. 3949

executed by Harry E. Jones, U. S. Mineral

Surveyor, April 26 - 29, 1924, under my instructions dated

April 24, 1924, 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

on file in this office and a true copy of said certified copy of said location certificate is included and

made a part of the transcript of the field notes.

Charles M. Douglas

U. S. Surveyor General for Arizona