

April 27, 1926

4-683

MINERAL SURVEY No. 4004

Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

James R Hubbard

KNOWN AS THE

DEMOCRAT and SHERMAN lodes

Dragoon Mining District,

Cochise County, Arizona

Sections 17, 19, 20, UNAP^{proved}, Township 17 S., Range 23 E.

Surveyed under instructions dated Mar. 3, Mar. 9, April 20, 1926

by J. N. Stevens

U. S. Mineral Surveyor.

E. tier surd.

Claim located See Location notices, 19

Survey commenced Mar. 19, 1926

Survey completed April 23, 1926

Address of claimant E.T. Cusick, Atty., Tucson, Ariz.

DATES OF AMENDED LOCATIONS.

Empty lines for amended locations.

Feet.

MINERAL SURVEY NO. 4004

DEMOCRAT Lode.

Beginning at Cor. No.1, identical with Loc. Mon. and Cor. No.2 Sherman lode of this Sur.

An iron pipe 1 in. diam. with cap on top, 18 ins. above ground, set 18 ins. in the ground, stamped 1 D, 2 S.-4004, with md of stone alongside, whence the Cor. to Secs. 13 and 24 T. 17 S., R. 22 E., brs. N.85°06'W., 2989.41 ft.

The Cor. to Secs. 17,18, 19 and 20, T.17S.,R.23 E. (unapproved) brs. N.6°21'W., 182.22 ft.

No other bearings are available.

Thence N.38°03'E.,
Va. 13°30'E.,

310.0 To W. end center, identical with Loc. Mon.

An oak post 4 ins. diam. by 4 ft. high, set firmly in the ground and surrounded with md of stone 3 1/2 ft. base by 3 ft. high, scribed W. Cr. D.

620.0 To Cor. No.2, identical with Loc. Mon.

An iron pipe 1 in. diam. with cap on top, 18 ins. above ground, set 18 ins. in the ground, stamped 2 D. -4004.

No bearings are available.

Thence S.66°57'E.
Va. 13°30'E.

1499.0 Gulch bra. southwesterly.

1500.0 To Cor. No.3, identical with Loc. Mon.

An iron pipe 1 in. diam. with cap on top, 18 ins. above ground, set 18 ins. in the ground, stamped, 3 D-4004

No bearings are available.

Thence S.38°03'W.
Va. 13°30'E.

310.0 To E. end center, identical with Loc. Mon.

An oak post 4 ins. sq. by 4 ft. high, set firmly in the ground, and surrounded with md. of stone 3 1/2 ft. base by 3 ft. high, scribed E. Cr. D.

620.0 To Cor. No.4, identical with Loc. Mon. and Cor. No.3 Sherman lode of this Sur.

Feet.

MINERAL SURVEY NO. 4004.

DEMOCRAT Lode - Cont'd.

An iron pipe 1 in. diam. with cap on top, 18 ins. above ground set 18 ins. in the ground, Stamped 4 D, 3 S - 4004, with md of stone alongside.

No bearings are available.

Thence N. 66°57'W.
Va. 13°30'E.

390.0

Gulch brs. southwesterly.

1500.0

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

SHERMAN Lode.

Beginning at Cor. No.1, identical with Loc. Mon.

An iron pipe 1 in. diam. with cap on top, 18 ins. above ground, set 18 ins. in the ground, stamped, 1 S - 4004, with md of stone alongside whence, the Cor. to Secs. 13 and 24 T. 17S.R.22 E., brs. N.74°01'W., 2700.7 ft.

No other bearings are available.

Thence N. 38°03'E.
Va. 13°30'E.

310.0

To W. end center.

An oak post 4 ins. diam. by 4 ft. High, set firmly in the ground and surrounded with md of stone 3 1/2 ft. base by 3 ft. high, scribed. W. Cr. S.

615.0

Gulch brs. northwesterly.

620.0

To Cor. No.2, identical with Loc. Mon. and Cor. No.1 Democrat lode of this Sur., heretofore described.

Thence S. 66°57'E.,
Va. 13°30'E.

1110.0

Gulch brs. southwesterly.

1500.0

To Cor. No.3, identical with Loc. Mon. and Cor. No.4 Democrat lode of this Sur., heretofore described.

Thence S. 38°03'W.
Va. 13°30'E.

250.0

Gulch brs. westerly.

310.0

To E. end center, identical with Loc. Mon.

Feet.

MINERAL SURVEY No. 4004.

SHERMAN Lode - Cont'd.

An oak post 4 ins. diam. by 4 ft. high, set firmly in the ground and surrounded with md of stone 3 1/2 ft. base by 3 ft. high,

scribed, E. Cr. S.

360.0 Gulch hrs. northwesterly.

620.0 To Cor. No.4, identical with Loc. Mon.

An iron pipe 1 in. diam. with cap on top, 18 ins. above ground, set 18 ins. in the ground, stamped, 4 S - 4004

No bearings are available .

Thence N. 66°57'W.
Va. 13°30'E.

1500.0 To Cor. No.1, the place of beginning.

LODE LINES.

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

Democrat Lode, 600 ft. S.66°57'E., and 900 ft. N.66°57'W.,
Sherman lode, 350.0 ft. S.66°57'E., and 1150. ft. N.66°57'W.,

AREA.

	Acres.
Total area Democrat lode	20.622
Total area Sherman lode.	20.622

The survey of each lode of this location is identical with the respective locations as staked upon the ground.

LOCATION.

This Survey is located in the N.E. 1/4 Sec. 19, the N.W. 1/4 Sec. 20 and the S.W. 1/4 Sec. 17, T.17 S. R.23 E., (unapproved) in the Coronado National Forest.

MINERAL SURVEY NO. 4004.

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 his grantors is not less than five hundred dollars, and that said improvements consist of:

DEMOCRAT Lode.

No.1, the discovery point, on the center line (on cropping) 600 ft. from the center of line 3-4, A md of stone:

No value.

No.2 A shaft, the center of which brs. from Cor. No.4 N.35°15'W., 620.0 ft. 4 x 6 ft. 10 ft. deep.

Value \$100.0

No.3 A shaft, the center of which brs. from Cor. No.4 N.32°W., 590.0 ft. 4 x 6 ft. 10 ft. deep.

Value \$100.0

No.4 A cut, the mouth of which is on the center line, 670.0 ft. from the center of line 3-4, 4 1/2 ft. wide, 10 ft. face, running N.20° E., 15 ft. to face. From face is a tunnel 4 x 6 ft. running S:66° E., 50 ft. to face:

Value Cut and Tunnel \$700.0

No.5 A cut, the mouth of which is on the center line 700 ft. from the center of line 3-4, 4 1/2 ft wide 10 ft. face running N.20° E., 18 ft. to face. From face is a winze 4 x 6 ft. 15 ft. deep.

Value Cut and winze \$250.0

No.6 A tunnel, the mouth of which is on the center line 725 ft. from the center of line 3-4, 4 x 6 ft. running N.20° E., 47 ft. to shaft. From Sta. 1 is a drift 4 x 6 ft. running S 66° E., 25 ft. to face. From Sta. 1, another drift 4 x 6 ft. running N.66° W., 25 ft. to face.

Total value \$ 970.0

No.7 A tunnel, the mouth of which brs. from Cor. No.2 S.28°15'E., 780 ft. 4 x 6 ft. running N.36°E., 95 ft.

Value \$950.0

No.8 S shaft, the center of which brs. from Cor. No. 2, S.23°15'E., 620.0 ft. 4 x 6 ft. 25 ft. deep.

Value \$250.0

MINERAL SURVEY NO. 4004

EXPENDITURE OF FIVE HUNDRED DOLLARS - Cont'd.

DEMOCRAT Lode, Cont'd.

No.9 A cut, the mouth of which hrs. from Cor. No. 4 N.48°15'W., 480 ft. , 4 1/2 ft. wide, 8 ft. face. running N.38° E., 15 ft. to face.

Value \$100

No.10 A cut, the mouth of which hrs. from Cor. No. 4 N.43°20'W., 370 ft., 4 1/2 ft. wide, 8 ft. face, running N 10° EL, 15 ft. to face.

Value \$100.0

SHERMAN Lode.

No.1 The discovery cut, the face of which being the discovery point, on the center line 350 ft. from the center of line 3-4, 4 1/2 ft. wide 8 ft. face running N.35° E., 15 ft. to mouth.

Value \$100.0

No. 2 A cut, the mouth of which hrs. from Cor. No. 4 N.38°30'W., 550 ft. 4 1/2 ft. wide 8 ft. face, running S.28° W., 15 ft. to face.

Value \$100.0

No.3 A cut, the mouth of which hrs. from Cor. No.4 N.1°45'E., 420 ft. 4 1/2 ft. wide, 10 ft. face, running N.37° E., 20 ft. to face

From face is a tunnel 4 x 6 ft. running N.70°E., 25 ft. to face.

Value Cut and tunnel \$ 400.0

No.4 A shaft, the center of which hrs. from Cor. No. 2 S.38° E., 76 ft. 4 x 6 ft. 6 ft. deep.

Value \$60.0

INSTRUMENT.

This survey was made with a Gurley Mountain transit, the courses were deflected from the true meridian as determined by direct solar observations. The distances were measured with a 500 ft. steel tape.

MINERAL SURVEY NO. 4004

REPORT.

The lode line of each location of this claim was run directly upon the ground, and the corners were established by running around the claims.

The Cor. to Secs. 13 and 24 T.17 S. R. 22 E is an iron pipe 3 ins. diam. showing 24 ins. above ground, capped with brass and stamped S.13, S 24, T 17 S. R.22 E. on W side and T.17S R. 23 E., S 18 on E side.

The Cor. to Secs. 17,18 19 and 20 T.17 S. R. 23 E. (Unapproved) consists of an iron pipe with brass cap Stamped S 17, S.18, S 19 and S.20 T.17 S. R. 23 E.

Adjoining Claims.

There are no adjoining or conflicting claims known.

SOLAR OBSERVATION.

Direct Solar observation, taken March 19, 1926 at 2:40 PM Solar time, Sun bisected. - Lat. 31°57'. - Lon. 110° 01'

Apparent declination- 0° 44' 21.9 " -Dif.in time 10 Hrs. 9' 58"

0° 34' 28.9 "
90° 34' 29" = P

L = 31°57'
H = 41°57'56" (Appt Altd-41°59")

P = 90°34'29"
2) 164°29'25"
82°14'43" = S

Sin 1/2 A = sqrt((Sin S-L)(S-H) / Cos L Cos H)

Table with 2 columns: Angle and Value.
S-L= 50°17'43" 9.8861221
S-H= 40°16'47" 9.8105819
0.0713429
0.1286915

2) 19.8967585
9.9483693 = 62°36'43" = 1/2 A
125°13'26" = A

109°125°13'26"-S54°46'34"W- Bearing of Sun.
121°13'30" Ang. to left from sun.
3 66°57' E.- Bearing of line.

Set up at W. end center, Democrat lode, F S along lode line.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by T.N. Stevens

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

James R. Hubbard

known as the DEMOCRAT and SHERMAN lodes

and showing the respective capacities in which they acted.

Hilario Talavera, Chainman.

....., Chainman.

....., Axman.

....., Flagman.

FINAL OATHS OF ASSISTANTS.

~~We,~~ I Hilario Talavera

and I, do solemnly swear that ~~we~~ assisted

T.N. Stevens, United States Mineral Surveyor, in marking the corners and surveying the boundaries of the mining claim of James R. Hubbard

known as the DEMOCRAT and SHERMAN 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 instructions furnished by the

Office Cadastral Engineer

United States Surveyor-General for Phoenix, Ariz.

Hilario Talavera, Chainman.

....., Chainman.

....., Axman.

....., Flagman.

Subscribed and sworn to by the above-named persons before me this 23^d state of arizona day of April, 1926 county of Cochise

A F Peake
Notary Public

my com Expires Jan 8 1930

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, T.N. Stevens, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the Office Cadastral Engineer, at Phoenix, Ariz., dated Mar. 3, Mar. 9, April 20 1926

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 James R. Hubbard

known as the DEMOCRAT and SHERMAN Lodes

situate in Dragoon Mining District, Cochise County, Ariz., in Section 17, 19, 20 (unapproved)

Township No. 17 S., Range No. 23 E., G. & S. R. N.

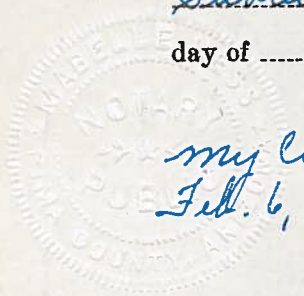
and designated as Survey No. 4004, as represented in the foregoing field notes, which accurately show the boundaries of said mining claim as distinctly marked by monuments on the ground, and described in the attached copy of the location certificate, which was received by me from the Office Cadastral 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 his 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.

T. N. Stevens, U. S. Mineral Surveyor.

Subscribed and sworn to by the said J. N. Stevens U. S. Mineral Surveyor, before me Mabelle Hess, a notary Public in and for Pima County this 26th day of April, 1926

my com. expires Feb. 6, 1928.

Mabelle Hess, notary Public



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

Department of the Interior,
PUBLIC SURVEY OFFICE,
~~OFFICE OF U. S. SURVEYOR-GENERAL,~~

~~Phoenix, Arizona,~~

May 18, 1926

I, ~~U. S. Surveyor General for~~ ~~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

~~James R. Hubbard~~

known as the ~~DEMOCRAT and SHERMAN lodes~~

situate in ~~Dragoon~~

Mining District, ~~Cochise~~ County, ~~Arizona~~

in Section ~~s 17, 19, 20~~, Township No. ~~17 S~~, Range No. ~~23 E.~~, and

designated as Survey No. ~~4004~~, 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 improve-
ments made upon ^{each of} said mining claims ~~by claimant or his~~ grantors, and that said improvements
consist of ~~7 cuts, 4 tunnels, 4 shafts, 1 winze, and 2 drifts, total~~
value ~~\$4180.~~

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.

~~John D. Adams~~

~~Office Cadastral Engineer, Phoenix, Arizona.~~

~~United States Surveyor General for~~

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF
MINING CLAIM

DEPARTMENT OF THE INTERIOR
PUBLIC SURVEY OFFICE

At Phoenix, Arizona,

_____ May 18 _____, 1926

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 _____

_____ James R. Hubbard _____

_____, known as the

_____ DEMOCRAT and SHERMAN lodes _____

situate in _____ Dragoon _____ mining district,

_____ Cochise _____ County, _____ Arizona _____

in Section s 17, 19, 20, ^{unapproved} _____, Township No. _____ 17 S. _____, Range No. _____ 23 E. _____

_____, designated as Survey No. _____ 4004 _____

executed by _____ T. N. Stevens _____, U. S. Mineral

Surveyor, _____ March 19 - April 23 _____, 1926, under my instructions dated

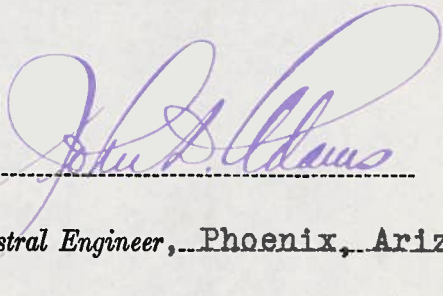
March 3, March 9 and April 20, 1926, have been critically examined and the necessary

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.

_____  _____
Office Cadastral Engineer, Phoenix, Arizona