

JAN 13 1920

4-683

MINERAL SURVEY No. 3643

LOT No.

ARIZONA Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

JACOB W. YOUNG and ERVEN L. JENSEN

KNOWN AS THE

NAVAJO: NAVAJO NO. 1: NAVAJO NO. 2 and NAVAJO NO. 4 lodes.

NAVAJO INDIAN RESERVATION Mining District,

APACHE County, ARIZONA.

(Approx.) Section s. 29 & 30 uns. Township 13 N., Range 5 W. N.S.B.

Surveyed under instructions dated December 5th., 1919.

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

Claim located See location notices, 19

Survey commenced December 25th., 1919.

Survey completed January 1st., 1920.

Address of claimant, Jacob W. Young Shiprock, N. Mex.

DATES OF AMENDED LOCATIONS.

See location notices

Mineral SURVEY NO. 3643

Feet

NAVAJO Lode

Beginning at Cor. No. 1

Identical with Cor.1, Navajo No.2 lode, this survey.

Whence the location monument common to this and Navajo No.2 lode bears N.31°30'W. 12 ft.

A 3ft.  $\frac{3}{4}$ in. galv. pipe with a 2in. round screw brass cap marked U.S. MINERAL SURVEY NO. 3643-N-1-NNO.2-1; set 18ins. in ground and surrounded with a substantial mound of stone.

U.S.L.M.No.3643 bears S.53°57'W. 647.75 ft.

No other suitable bearings available.

Thence S. 31° 30' E.

Along line 1-4 Navajo No.2 lode this survey.

300.00 To East End Center

A substantial mound of stone, identical with the West End Center of Navajo No.2 lode this survey.

Whence the location monument common to this and Navajo No.2 lode bears N.31°30'W. 15 ft.

600.00 To Cor. No. 2

Identical with location monument, and Cor.4, Navajo No.2, Cor.1, Navajo No.4 and Cor.1, Navajo No.1 lodes, all of this survey.

A 3ft.  $\frac{3}{4}$ in. galv. pipe with a 2in. round screw brass cap marked U.S. MINERAL SURVEY NO. 3643-N-2-NNO.2-4-NNO.4-1-NNO.1-1; set 18ins. in ground and surrounded with a substantial mound of earth and rock.

No suitable bearings available.

Thence S. 58° 30' W.

Along line 1-4 Navajo No.1 lode this survey.

710.00 Cross center 15 ft. wash course Easterly.

1500.00 To Cor. No. 3

Identical with Cor.4, Navajo No.1 lode this survey.

Whence the location monument common to this and Navajo No.1 lode bears S. 58° 30' W. 39.0 ft.

A 3ft.  $\frac{3}{4}$ in. galv. pipe with a 2in. round screw brass cap marked U.S. MINERAL SURVEY NO. 3643-N-3-NNO.1-4; set 18ins. in ground and surrounded with a substantial mound of earth and rock.

No suitable bearings available.

Feet Thence N. 31° 30' W.

300.00 To West End Center  
 A substantial mound of stone, whence the location monument bears West 68.0ft.

510.50 To Witness Cor.No.4  
 At the foot of a 75 ft. vertical cliff running approximately parallel with this line.  
 Whence the location monument bears N.65°10'W. 138 ft.  
 A 3ft.<sup>3</sup>/<sub>4</sub>in.galv.pipe with a 2in.round screw brass cap marked U.S.MINERAL SURVEY NO.3643- N-WC-4; set 18ins.in ground and surrounded with a substantial mound of earth and rock.  
 No suitable bearings available.

600.00 To Cor. No. 4,Point, being inaccessible on face of cliff.  
 Thence N. 58° 30' E.

1500.00 To Cor. No. 1 the place of beginning.

NAVAJO NO. 1 Lode

Beginning at Cor. No. 1  
 Identical with location monument; Cor.2,Navajo lode, Cor.4,Navajo No.2 lode, and Cor.1,Navajo No.4 lode, all of this survey and previously described.  
 U.S.L.M.No.3643 bears N. 81°09'W. 847.36 ft.  
 No other suitable bearings available.  
 Thence S. 31° 30' E.

Along line 1-4 Navajo No.4 lode this survey.

180.00 Cross center 15 ft. wash course Easterly.

300.00 To East End Center  
 A substantial mound of stone, identical with the West End Center,Navajo No. 4 lode, this survey; whence the location monument common to this and Navajo No.4 lode bears S.31° 30' E. 18.0ft.

600.00 To Cor. No. 2  
 Identical with Cor.4,Navajo No.4 lode, this survey.  
 Whence the location monument common to this and Navajo No.4 lode bears S.31°30'E. 46.0ft.  
 A 3ft.<sup>3</sup>/<sub>4</sub>in.galv.pipe with a 2in.round screw brass cap marked

NAVAJO NO. 1 Lode Continued.

Feet U.S. MINERAL SURVEY NO. 3643-NN0.1-2-NN0.4-4; set 10 ins. in rock in place and surrounded with a substantial mound of stone. No suitable bearings available.  
 Thence S. 58° 30' W.

1500.00 To Cor. No. 3  
 Whence the location monument bears S. 8° 35' E. 30 ft.  
 A 3 ft. <sup>3</sup>/<sub>4</sub> in. galv. pipe with a 2 in. round screw brass cap marked U.S. MINERAL SURVEY NO. 3643-NN0.1-3; set 18 ins. in ground and surrounded with a substantial mound of earth and rock.  
 No suitable bearings available.  
 Thence N. 31° 30' W.

300.00 To West End Center  
 A substantial mound of stone; whence the location monument bears S. 26° 42' W. 32.0 ft.

600.00 To Cor. No. 4  
 Whence the location monument bears S. 58° 30' W. 39.0 ft.  
 Identical with Cor. 3, Navajo Lode, this survey, previously described.  
 Thence N. 58° 30' E.

Along line 3-2 Navajo lode this survey.

790.00 Cross 15 ft. wash course Easterly.

1500.00 To Cor. No. 1 the place of beginning.

NAVAJO NO. 2 Lode

Beginning at Cor. No. 1  
 Whence the location monument bears N. 31° 30' W. 12.0 ft.  
 Identical with Cor. 1, Navajo lode, this survey, previously described.  
 U.S. L.M. No. 3643 bears S. 53° 57' W. 647.75 ft.  
 No other suitable bearings available.  
 Thence N. 58° 30' E.

1321.00 Cross center 5 ft. wash course Easterly.

1500.00 To Cor. No. 2  
 Whence the location monument bears N. 7° 40' W. 43.0 ft.  
 A 3 ft. <sup>3</sup>/<sub>4</sub> in. galv. pipe with a 2 in. round screw brass cap marked U.S. MINERAL SURVEY NO. 3643-NN0.2-2; set 18 ins. in ground and surrounded with a substantial mound of earth and rock.

Feet No suitable bearings available.

Thence S. 31° 30' E.

40.00 Cross center 5ft. wash course Easterly.

280.00 Cross center 5 ft. wash course Easterly.

300.00 To East End Center.

A substantial mound of stone, whence the location monument bears N. 51° 05' E. 32.0 ft.

600.00 To Cor. No. 3

Identical with Cor. 2, Navajo No. 4 lode, this survey.

Whence the location monument common to this and Navajo No. 4 lode, bears N. 58° 30' E. 47.0ft.

A 3ft.  $\frac{1}{2}$  in. galv. pipe with a 2in. round screw brass cap, marked U.S. MINERAL SURVEY NO. 3643-NNO. 2-3-NNO. 4-2; set 18ins. in ground and surrounded with a substantial mound of earth and rock. No suitable bearings available.

Thence S. 58° 30' W.

Along line 2-1 Navajo No. 4 lode this survey.

1500.00 To Cor. No. 4

Identical with the location monument and Cor. 2, Navajo lode, Cor. 1, Navajo No. 4 lode, and Cor. 1, Navajo No. 1 lode, all of this survey, previously described.

Thence N. 31° 30' W.

Along line 2-1 Navajo lode this survey.

300.00 To West End Center

A substantial mound of stone, identical with East End Center Navajo lode this survey; whence the location monument bears N. 31° 30' W. 15.0 ft.

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

NAVAJO NO. 4 Lode

Beginning at Cor. No. 1

Identical with the location monument, Cor. 2, Navajo lode, Cor. 4, Navajo No. 2 lode, and Cor. 1, Navajo No. 1 lode, all of this survey and previously described.

U.S.L.M. No. 3643 bears N. 81° 09' W. 847.36 ft.

No other suitable bearings available.

NAVAJO NO.4 Lode Continued.

Feet	
	Thence N. 58° 30' E.
	Along line 4-3 Navajo No.2 lode this survey.
1500.00	To Cor. No. 2
	Identical with Cor.3, Navajo No.2 lode, this survey, and previously described.
	Whence the location monument bears N. 58° 30' E. 47.0 ft.
	Thence S. 31° 30' E.
253.00	Cross center 20 ft. wash course Northeasterly.
300.00	To East End Center
	A substantial mound of stone, whence the location monument bears N. 68° 02' E. 59.0 ft.
557.00	Cross center 5 ft. wash course Northeasterly.
600.00	To Cor. No. 3
	Whence the location monument bears N. 82° 45' E. 80.0 ft.
	A 3ft. 3/4in. galv. pipe with a 2in. round screw brass cap marked U.S. MINERAL SURVEY NO. 3643-NNO.4-3; set 18ins. in ground and surrounded with a substantial mound of earth and rock. No suitable bearings available.
	Thence S. 58° 30' W.
1150.00	Cross center 5 ft. wash course Northeasterly.
1500.00	To Cor. No. 4
	Identical with Cor.2, Navajo No.1 lode, this survey, and previously described.
	Whence the location monument bears S. 31° 30' E. 46.0 ft.
	Thence N. 31° 30' W.
	Along line 2-1 Navajo No.1 lode this survey.
300.00	To West End Center
	Identical with East End Center Navajo No.1 lode and previously described. Whence the location monument bears S. 31° 30' E. 18.0 ft.
420.00	Cross center 15 ft. wash course Easterly.
600.00	To Cor. No. 1 the place of beginning.

Mean Magnetic Variation at all corners 15° 00' E.

LODE LINES

As near as can be determined from the present developments and surface indications, the veins extend as follows from their respective discovery points:

- Navajo lode; S.58°30'W.365ft. and N.58°30'E. 1135 ft.
- Navajo No.1 lode; S.58°30'W.900 ft. and N.58°30'E. 600 ft.
- Navajo No.2 lode; S.58°30'W.165 ft. and N.58°30'E.1335 ft.
- Navajo No.4 lode; S.58°30'W.100 ft. and N.58°30'E.1400 ft.

AREAS

Total area Navajo lode	20.661 Acres
Total area Navajo No.1 lode	20.661 Acres
Total area Navajo No.2 lode	20.661 Acres
Total area Navajo No.4 lode	20.661 Acres
Total	82.644

LOCATION

This survey is located approximately in Sections 29 and 30 Unsurveyed T. 13 N. R. 5 W. Navajo Special Base; Navajo Indian Reservation; Apache County, Arizona.

EXPENDITURE OF FIVE HUNDRED DOLLARS

I certify that the value of the labor and improvements made upon or for the benefit of the locations embraced in said mining claim by the claimants or their grantors is less than Five Hundred Dollars, and that the said improvements consist of:

NAVAJO LOUDE

- No.1 Dis.Cut 47x22x10 ft.face,runs E&W. bears N.58°30'E. 365 ft. from the West End Center. Also a cut in the E.end of the dis.cut 5x31x6 ft.face runs N&S. bears N.13°25'W. 282 ft. from the 1192.20ft. point on line 2-3  
Value \$ 1095.00
- No.2 cut 15.5x14x5 ft.face runs N&S. bears N.44°08'W. 301 ft. from the 1192.20 ft. point on line 2-3  
Value \$ 210.00
- No.3 cut 6x50x3ft.deep runs N&S. bears N.7°09'W. 299 ft. from the 1192.20 ft. point on line 2-3.  
Value \$ 240.00

EXPENDITURE OF FIVE HUNDRED DOLLARS - Continued.

No.4 cut 9.5x27x3 ft.deep runs N&S; bears N.0°11'W. 293 ft. from the 1192.20 ft. point on line 2-3.

Value \$ 135.00

No.5 cut 6x18x1.5 ft.deep runs N&S; bears N.4°14'E.312 ft. from the 1192.20 ft. point on line 2-3.

Value \$ 90.00

NAVAJO NO.1 LODE

No.1 Dis. point mineral in place on surface bears S.58°30' W. 600 ft. from the East End Center.

No.2 cut 9x7x3 ft.deep runs N&S. bears N.71°50'E. 342 ft. from the 812.90 ft. point on line 4-1.

Value \$ 70.00

No.3 cut 3x25x4 ft.deep runs N&S. bears N.74°02'E.436 ft. from the 812.90 ft. point on line 4-1.

Value \$ 125.00

NAVAJO NO.2 LODE

No.1 Dis. cut 3x12x4 ft.deep runs N&S. bears N.58°30'E. 165 ft. from the West End Center.

Value \$ 60.00

NAVAJO NO. 4 LODE

No.1 Dis. point mineral in place on surface bears N.58° 30'E. 100 ft. from the West End Center.

No.2 cut 8x15x6 ft. face runs N&S. bears N.14°52'E. 500.6ft. from Cor. No.4.

Value \$ 150.00

NO OTHER IMPROVEMENTS

ADJOINING CLAIMS

This survey is bounded on the NW. by the Navajo No.6 and Navajo No.3 lodes, uns.; on the NE. by the Lucky Strike lode, uns.; on the SE. by the Lucky Strike No.1 lode and Navajo No.5 lode, uns.; and on the SW. by the Sunset lode and an Indian claim uns.

INSTRUMENT

This survey was made with a W.&L.E.Gurley light mountain transit.



The courses were deflected from a true meridian which was determined by direct sun observations on December 29th. 1919. and January 1st. 1920.

The distances were measured with a 600 ft. steel tape.

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REPORT

After a most diligent search and much inquiry among local residents both White and Indians I failed to gain any information regarding any of the Arizona-New Mexico State line monuments, or the public land survey corners; In fact the only corner in this locality that anyone knew anything about was the NE. corner of the State of Arizona, which is common with the SE. corner of Utah; SW. corner of Colorado and NW. corner of New Mexico. This corner is described in the original field notes as being a shaft of hard sandstone 7 ft. long 6x12ins. set 3 ft. in ground, with proper markings; I found only a large mound of loose stone with a small fragment of sandstone 6x6x12 ins. upon which by drawing largely upon one's imagination the words UTAH and ARIZONA could be determined upon two sides of this loose piece of stone, and it will only be a matter of a short time until these marks of identification will have been obliterated. From this corner the natural bearing objects given in the field notes checked fairly close; and I therefore assumed it to be the proper corner.

As this corner is out of limits, I therefore established a U.S. Location Monument within the limits of this survey and tied same by triangulation to the NE. corner of the State of Arizona. However since my return from the field I find that a portion of this survey may be within the two mile limit of a public land survey lying in the State of New Mexico; As I expect to have subsequent work in this vicinity in the near future; I wish to be allowed to make a more complete search and obtain and report any additional information which I may obtain at that time.

*Harry E. Jones*  
U. S. Mineral Surveyor.

## UNITED STATES LOCATION MONUMENT NO. 3643

## NAVAJO INDIAN RESERVATION

## APACHE COUNTY, ARIZONA.

This monument is situated on top of a long ridge or hogback running Northeasterly from the Easterly slope of the Carriso Mountains; this ridge is composed of a light colored sandstone and has quite abrupt slopes to the Northwest and Southeast. The monument is visible for quite a distance from all directions.

An 8 ft.  $1\frac{1}{4}$  in. galvanized iron pipe, set 12 ins. in the rock in place, and surrounded with a substantial mound of stone having a 6 ft. base and 4 ft. high.

The pipe is stamped U.S.L.M. NO. 3643 on the SE. side at about 6 ft. above the surface of the ground.

Cor. No. 1 Navajo lode identical with Cor. No. 1 Navajo No. 2 lode bears N.  $53^{\circ} 57'$  E. 647.75 ft.

Cor. No. 1 Navajo No. 1 lode identical with Cor. No. 1 Navajo No. 4 lode bears S.  $81^{\circ} 09'$  E. 847.36 ft.

The NE. Corner of the State of Arizona bears N.  $6^{\circ} 11'$  E. approximately 11 miles 198 ft.

The Morris Trading Post Store bears N.  $83^{\circ} 03'$  E. about 3 miles.

Wilson Peak ( known locally as Shiprock ) bears S.  $51^{\circ} 25'$  E.  
December 25th 1919. January 1st. 1920.

*Harry E. Jones*  
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 \_\_\_\_\_  
 \_\_\_\_\_ Jacob W. Young, and Erven L. Jensen,  
 known as the NAVAJO, NAVAJO NO.1, NAVAJO No.2 and NAVAJO NO.4 lodes,  
 and showing the respective capacities in which they acted.

\_\_\_\_\_J. L. Jones,\_\_\_\_\_, *Chairman.*  
 \_\_\_\_\_, *Chainman.*  
 \_\_\_\_\_, *Acman.*  
 \_\_\_\_\_, *Flagman.*

## FINAL OATHS OF ASSISTANTS.

~~We,~~ J. L. Jones,  
 and \_\_\_\_\_, do solemnly swear that ~~we~~ <sup>I</sup> assisted  
Harry E. Jones, United States Mineral Surveyor, in marking the corners and surveying  
 the boundaries of the mining claim of Jacob W. Young, and Erven L. Jensen,  
 \_\_\_\_\_  
 known as the NAVAJO, NAVAJO NO.1, NAVAJO NO.2 and NAVAJO NO.4 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,\_\_\_\_\_, *Chairman.*  
 \_\_\_\_\_, *Chainman.*  
 \_\_\_\_\_, *Acman.*  
 \_\_\_\_\_, *Flagman.*

Subscribed and sworn to by the above-named persons before me this 3rd

day of January, 1920.

\_\_\_\_\_Harry F. Lane\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_, *Notary Public.*



My commission expires July 16, 1923.

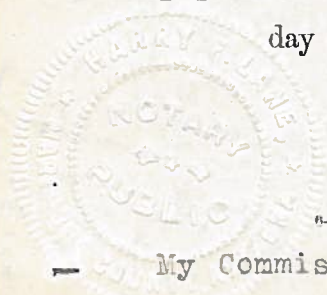
FINAL OATH OF U. S. MINERAL SURVEYOR.

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 December 5th. 1919., 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 Jacob W. Young, and Erven L. Jensen, known as the NAVAJO; NAVAJO NO.1; NAVAJO NO.2; and NAVAJO NO.4 lodes, situate in Navajo Indian Reservation Mining District, Apache County, Arizona. (Approx) in Sections 29 & 30 Township No. 13 N., Range No. 5 W. Navajo Special Base., and designated as Survey No. 3643, 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 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.

Harry E. Jones
U. S. Mineral Surveyor.

Subscribed and sworn to by the said Harry E. Jones, U. S. Mineral Surveyor, before me Harry F. Lane, a Notary Public in and for County of Maricopa this 3rd. day of January, 1920.

Harry F. Lane
Notary Public.



6-1044

My Commission expires July 16; 1923.

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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

April 12, 1920, 191

I, U. S. Surveyor-General for Arizona,

do hereby certify that the foregoing transcript of the Field Notes, return and approval of the survey of the mining claim of Jacob W. Young and Erven L. Jensen.

known as the NAVAJO, NAVAJO NO.1, NAVAJO NO.2, and NAVAJO NO.4 lodes

situate in Navajo Indian Reservation

Mining District, Apache County, Arizona. (Approx)

in Section s 29 & 30 uns, Township No. 13 N., Range No. 5 W. N.S.B., and

designated as Survey No. 3643, 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 said mining claim by claimant or their grantors, and that said improvements consist of~~

~~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.

Frank P. Trott,

United States Surveyor-General for Arizona.

4-687

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,

April 12, 1920, 191

I, U. S. Surveyor General for Arizona

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the Mining Claim of Jacob W. Young and Erven L. Jensen

known as the NAVAJO, NAVAJO NO.1, NAVAJO NO.2, and NAVAJO NO.4 lodes

situate in Navajo Indian Reservation mining district, Apache County, Arizona (Approx)

in Section 29 & 30 una., Township No. 13 N., Range No. 5 W. N.S.B

designated as Survey No. 3643

executed by Harry E. Jones, U. S. Mineral Surveyor, December 25th 1919 January 1st 1920, under my instructions dated

December 5th

1919, 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.

[Handwritten signature]

U. S. Surveyor General for Arizona.

UNITED STATES DEPARTMENT OF THE INTERIOR 9605 (956)  
BUREAU OF LAND MANAGEMENT M.S. 3643  
ARIZONA STATE OFFICE

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NOTICE OF CANCELLATION OF MINERAL SURVEY

The Navajo, Navajo No.1, Navajo No.2, and Navajo No.4 lodes, Mineral Survey No. 3643, located in approx. sections 29 and 30, Township 13 North, Range 5 West, (canceled), Navajo Base and Meridian, Arizona, and approx. sections 25, 30, 31 and 36, Townships 40 and 41 North, Ranges 30 and 31 East (unsurveyed), Gila and Salt River Meridian, Arizona, are hereby canceled.

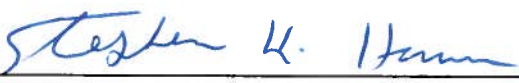
These claims have not been filed with the Arizona State Office, Bureau of Land Management, in accordance with Section 314, 90 STAT. 2769, (43 U.S.C. 1744).

This cancellation was necessitated to clear the record.

The Mineral Survey Plat should be noted as follows:

"Navajo, Navajo No.1, Navajo No.2, and Navajo No.4 lodes M.S. 3643, were canceled April 7, 2010, by memo 9605 (956) M.S. 3643, which is now a part of the original field notes."

April 7, 2010  
Date

  
Chief Cadastral Surveyor of Arizona