

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
ARIZONA STATE OFFICE

9630 (942)  
Group 715

November 28, 1994

Memorandum

To: Chief, Office Section, Branch of Cadastral Survey

From: Chief Cadastral Surveyor

Subject: Notice of Cancellation of Surveys, Navajo Special Meridian, Arizona

Effective November 28, 1994, the surveys of the following townships of the Navajo Special Meridian, Arizona are cancelled.

Surveyed Townships

T. 1 N., Rs. 7, 9, 10, and 11 W.  
T. 2 N., Rs. 7, 10, and 11 W.  
T. 3 N., Rs. 6, 7, 10, and 11 W.  
T. 4 N., Rs. 6, 10, and 11 W.  
\*T. 5 N., Rs. 6, 10, and 11 W.  
T. 6 N., Rs. 6, 7, 9, 10, and 11 W.  
T. 7 N., Rs. 7, 9, 10, and 11 W.

Partially Surveyed Townships

T. 1 N., Rs. 5, and 8 W.  
T. 2 N., Rs. 5, 8, and 9 W.  
T. 3 N., Rs. 5, 8, and 9 W.  
T. 4 N., Rs. 5, 7, 8, and 9 W.  
T. 5 N., Rs. 5, 7, 8, and 9 W.  
T. 6 N., Rs. 5, and 8 W.  
T. 7 N., Rs. 5, 6, and 8 W.

Also effective November 28, 1994, the suspension is lifted on the plat approved June 23, 1933, and accepted January 6, 1934, T. 5 N., R. 10 W.

\*Portions of T. 5 N., R. 10 W., were resurveyed in 1933 under Group 183 and in 1940-42 under Group 235 for the primary purpose of preserving the identification of the Boundary of Canyon De Chelly National Monument. The portions of those surveys resurveyed in 1991-92 under Group 715, plat accepted August 16, 1994, and the subdivision of sections 10, 22, 25 and 26 in the 1940-42 resurvey are the only portions of the Navajo Special Meridian that remain uncanceled.

This cancellation is to include the 1869 survey of the South and West Boundaries, by Treaty of June 1, 1868, and the subsequent 1919-20 resurvey of the West Boundary of the Navajo Indian Reservation.

Townships surveyed or partially surveyed in New Mexico under the Navajo Special Meridian were cancelled by Memorandum dated June 17, 1936 under memorandum file #1643519 "E" and included the following townships:

T. 1 N., Rs. 1, 2, and 3 W.	T. 9 N., Rs. 1, 2, 3, and 4 W.
T. 2 N., Rs. 1, and 5 W.	T. 10 N., Rs. 1, 2, 3, 4, and 5 W.
T. 3 N., Rs. 1, and 5 W.	T. 11 N., Rs. 1, 2, 3, 4, and 5 W.
T. 4 N., Rs. 1, 2, and 5 W.	T. 12 N., Rs. 3, 4, and 5 W.
T. 5 N., Rs. 1, and 2 W.	T. 13 N., Rs. 1, 2, 3, 4, and 5 W.
T. 6 N., Rs. 1, 2, 3, and 4 W.	T. 14 N., Rs. 3, 4, and 5 W.
T. 7 N., Rs. 1, 2, and 3 W.	
T. 8 N., Rs. 1, 2, 3, and 4 W.	

By Directors' Letter dated May 11, 1951, the surveys executed in Arizona under the Navajo Special Meridian in Tps. 8, 9, 10, 11, 12, 13, 14, 15 N., Rs. 5, 6, 7, 8, 9, 10, and 11 W. were cancelled. In particular they are:

Surveyed

T. 8 N., Rs. 9, 10, and 11 W.  
 T. 9 N., Rs. 9, 10, and 11 W.  
 T. 10 N., Rs. 5, 9, and 10 W.  
 T. 11 N., Rs. 5, 9, 10, and 11 W.  
 T. 12 N., Rs. 9, 10, and 11 W.  
 T. 13 N., Rs. 9, 10, and 11 W.  
 T. 14 N., Rs. 5, 6, 7, 8, 9, 10, and 11 W.  
 T. 15 N., Rs. 7, 8, 9, and 10 W.

Partially Surveyed

T. 8 N., Rs. 6, 7, and 8 W.  
 T. 9 N., Rs. 5, 6, and 8 W.  
 T. 10 N., Rs. 6, 7, 8, and 11 W.  
 T. 11 N., Rs. 6, 7, and 8 W.  
 T. 12 N., Rs. 5, and 6 W.  
 T. 13 N., Rs. 5, 6, 7, and 8 W.  
 T. 15 N., Rs. 5, 6, and 11 W.

Unsurveyed

T. 8 N., R. 5 W.  
 T. 9 N., R. 7 W.  
 T. 12 N., Rs. 7, and 8 W.

By Memorandum dated January 29, 1992, File No. 9630 (942), this office, Tps. 1 and 2 N., R. 6 W. were cancelled.

A copy of this memorandum will be placed at the front of each of the following original field note books, located at the Arizona State Cadastral Survey Office, containing the field notes of the affected surveys.

BOOK: 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 2627, 3342, 3502, 3966, 4288

The notation, "Cancelled November 28, 1994 per Memorandum File No. 9630 (942) Group 715, Arizona," will be made on the following plats:

Approved February 28, 1870

T. 1 N., Rs. 9, and 10 W.  
 T. 2 N., R. 10 W.  
 T. 3 N., R. 10 W.  
 T. 4 N., R. 10 W.  
 T. 5 N., R. 10 W.  
 T. 6 N., R. 10 W.  
 T. 7 N., R. 10 W.

Approved May 7, 1870

T. 6 N., R. 9 W.  
 T. 7 N., R. 9 W.

Approved May 23, 1870

T. 1 N., R. 7 W.  
 T. 2 N., R. 7 W.  
 T. 3 N., Rs. 6, and 7 W.  
 T. 4 N., R. 6 W.  
 T. 5 N., R. 6 W.  
 T. 6 N., Rs. 6, and 7 W.  
 T. 7 N., R. 7 W.

Approved March 7, 1871

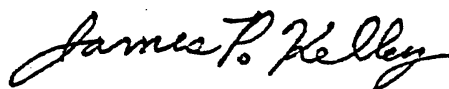
T. 1 N., R. 11 W.  
 T. 2 N., Rs. 5, and 11 W.  
 T. 3 N., Rs. 5, and 11 W.  
 T. 4 N., Rs. 5, and 11 W.  
 T. 5 N., R. 11 W.  
 T. 6 N., R. 11 W.  
 T. 7 N., R. 11 W.

The notation, "Cancelled November 28, 1994, except for those portions resurveyed in 1991-92, Group 715, plat accepted August 16, 1994, and the survey of the subdivision of sections 10, 22, 25 and 26 on this plat, per Memorandum File No. 9630 (942) Group 715, Arizona," will be made on the following plat:

T. 5 N., R. 10 W., approved December 3, 1943, and accepted December 23, 1943.

The notation, "Suspension Lifted, November 28, 1994, per Memorandum File No. 9630 (942) Group 715, Arizona," will be made on the following plat:

T. 5 N., R. 10 W., approved June 23, 1933, and accepted January 6, 1934.



James P. Kelley

1931

1931

1931

Arizona

BOOK 1931

Field notes of the West  
half of North Boundary of the  
Navajo Indian Reservation

From the corner to the Territories  
of New Mexico, Arizona, Utah and  
Colorado (as established in 1868) to  
the North West corner of said Reser-  
vation, by E. A. Darling, U.S.  
Surveyor and Astronomer under  
his contract with

Hon Jos. S. Wilson  
Commissioner of the General  
Land office, dated Washington  
D.C. April 29th. 1869.

1931

1931

1931

1931

1931

Observations made for Azimuth Aug-  
ust 15<sup>th</sup> 1869, at the corner to the Terri-  
toires of New Mexico, Arizona, Utah  
and Colorado, on Polaris Eastern lon-  
gitude.

Computation of Azimuth

cos. 90	=	10.00000
cotangt. 88.26.30 =		<u>8.58500</u>
P.M. 1. 25.30	Fangt. 8. 38500	

cos. P.M. + p - 38. 25.30 =	9. 89420
cosce	<u>11. 61420</u>
1. 46.35 = cotangt	11. 50840

Therefore the error of Azimuth is 1. 46.35"

Magnetic Variation 11. 18'. East.

#6 Field Notes of the North Boundary

Charles Prince

BOOK 1931

From the corner to the four Territories of New Mexico, Arizona, Utah and Colorado, as established in 1868, 3 min. West on Random line, setting temporary mile corners at every 80 chs. and at 31 miles 5.50 chs. to a point 3.11 chs. North of the North West corner of the Navajo Indian Reservation, as established August 18<sup>th</sup> 1869. Therefore the correction will be 10 chs. South per mile. Thence.

277.  
31  
246

East on True Line, mile no. 32

Variation 15° 05' East

5. 50

Set sand stone 18 x 15 x 3, marked on the East "31 m"; built mound of earth around same and dug pits on the East and West sides, ten links from base of mound, for the 31<sup>st</sup> mile corner.

Surface level. Prairie Soil  
2<sup>nd</sup> rate.

East on True Line mile no. 31

Va. 15° 05' East.

80. 00

Set granite stone, 18 x 12 x 4, marked on the East "30 m"; built mound of earth around same and dug pits on the East and West sides ten links from base of mound for the 30<sup>th</sup> mile corner. Surface level. Prairie Soil  
2<sup>nd</sup> rate.

East on True Line mile no. 30.

Va. 15° 10' East

10. 00

14. 00

55. 00

Foot of Bluff Bears N and S.  
Top of Sand Stone Bluff  
Foot of same, bears South

Chains  
 68. 00  
 73. 00  
 -80. 00

Ravine course S. W.  
 Leave same  
 Set sand stone, 15 x 14 x 3, marked on  
 the East "24 m". built mound of  
 earth around same and dug pits on  
 the East and West sides, ten links  
 from base of mound for the 24<sup>th</sup> mile  
 corner  
 Surface broken. Prairie. Soil 2<sup>nd</sup>  
 and 3<sup>rd</sup> rate.

Leas on True Line, mile no. 24  
 Va. 15' 10' East  
 Ravine, 1 chain wide. course S. W.  
 Set granite stone, 16 x 10 x 6, marked on  
 the East "28 m". built mound of earth  
 around same and dug pits on the  
 East and West sides, ten links  
 from base of mound, for the 28<sup>th</sup>  
 mile corner.  
 Surface level. Prairie. Soil  
 2<sup>nd</sup> rate

Leas on True line no. 28.  
 Va. 15' 10' East.  
 Set granite stone, 16 x 10 x 6 marked  
 on the East "27 m". built mound of  
 earth around same and dug pits  
 on the East and West sides, ten links  
 from base of mound, for the 27<sup>th</sup> mile  
 corner.  
 Surface broken. Prairie. Soil 3<sup>rd</sup> rate.

Leas on True Line, mile no 27.  
 Va. 15' 10' East  
 Set granite stone 14 x 10 x 8, marked on  
 the East "26 m". built mound of earth  
 around same and dug pits on the

12. 00  
 80. 00

80. 00

80. 00

48 Field Notes of the North Boundary

Chain Links  
BOOK 1931

East and West sides ten links from base of mound for the 26<sup>th</sup> mile corner.  
Surface rolling. Prairie. Soil 2<sup>nd</sup> rate.

15. 00  
80. 00

East on True Line, mile no. 26.  
Va. 15° 05' East  
Log-back Ridge. Bears N and S. Set sand stone, 16 x 11 x 4, marked on the east "25 m", built mound of earth around same and dug pits on the East and West sides ten links from base of mound, for the 25<sup>th</sup> mile corner.  
Surface rolling. Prairie. Soil 3<sup>rd</sup> rate

80. 00

East on True Line, mile no. 25.  
Va. 15° 05' East  
Set sand stone 17 x 12 x 3 marked on the east "24 m", built mound of earth around same and dug pits on the East and West sides, ten links from base of mound, for the 24<sup>th</sup> mile corner.  
Surface rolling. Prairie. Soil 2<sup>nd</sup> rate

80. 00

East on True Line, mile no. 24.  
Va. 15° 05' East.  
Set sand stone, 18 x 12 x 3 marked on the east "23 m", built mound of earth around same and dug pits on the East and West sides, ten links from base of mound, for the 23<sup>rd</sup> mile corner.  
Surface rolling. Prairie. Soil 2<sup>nd</sup> rate.



Chain's Links

80.00

East on True Line, mile no. 23  
 Va. 15' 05" East  
 Set sand stone, 18 x 16 x 4 marked on the East "22 m". built mound of earth around same and dug pits on the East and West sides, ten lines from base of mound, for the 22<sup>nd</sup> mile corner.  
 Surface rolling. Prairie Soil 2<sup>nd</sup> rate.

80.00

East on True Line, mile no. 22  
 Va. 15' 05" East.  
 Set sand stone, 18 x 14 x 3, marked on the East "21 m". built mound of earth around same and dug pits on the East and West sides, ten lines from base of mound, for the 21<sup>st</sup> mile corner.  
 Surface rolling. Prairie Soil 2<sup>nd</sup> rate.

80.00

East on True Line, mile no. 21  
 Va. 15' 05" East.  
 Set sand stone, 16 x 14 x 3, marked on the East "20 m". built mound of earth around same and dug pits on the East and West sides, ten lines from base of mound, for the 20<sup>th</sup> mile corner.  
 Surface rolling. Prairie Soil 2<sup>nd</sup> rate.

80.00

East on True Line, mile no. 20  
 Va. 15' 05" East  
 Set sand stone, 20 x 16 x 6 marked on the East "19 m". built mound of earth around same and dug pits on the



50 Field Notes of the North Boundary

Chain Links

BOOK 1931

East and West sides ten links from base of mound, for the 19<sup>th</sup> mile corner. Surface level. Prairie. Soil 2<sup>nd</sup> rate.

80. 00

East on True Line mile no. 19.  
Va. 15<sup>+</sup> 05' East.

Set sand stone, 16 x 12 x 3, marked on the East "18 m", built mound of earth around same and dug pits on the East and West sides, ten links from base of mound, for the 18<sup>th</sup> mile corner. Surface rolling. Prairie. Soil 2<sup>nd</sup> rate.

80. 00

East on True Line, mile no. 18  
Va. 15<sup>+</sup> 20' East.

Set sand stone, 16 x 14 x 3 marked on the East "17 m", built mound of earth around same and dug pits on the East and West sides, ten links from base of mound, for the 17<sup>th</sup> mile corner. Surface rolling. Prairie. Soil 2<sup>nd</sup> rate.

80. 00

East on True Line mile no. 17.  
Va. 15<sup>+</sup> 20' East

Set sandy stone, 16 x 12 x 3 marked on the East "16 m", built mound of earth around same and dug pits on the East and West sides, ten links from base of mound by the 16<sup>th</sup> mile corner. Surface rolling. Prairie. Soil 2<sup>nd</sup> rate.

Chain Links

BOOK 1931

East on True Line, mile no. 16  
 Va. 15<sup>th</sup> 10' East  
 Foot of Bluff bears S. E.  
 Top of Sand Stone Bluff. Bears  
 S. E.  
 Set sand stone, 18 x 18 x 4, marked  
 on the east "15 m"; built mound of  
 earth around same and dug pits  
 on the East and West sides, ten links  
 from base of mound for the 15<sup>th</sup>  
 mile corner.  
 Surface broken. Prairie. Soil sd.  
 rate.

-35. 00  
 .73. 00  
 80. 00

East on True Line, mile no. 15.  
 Va. 15<sup>th</sup> 00' East  
 Point on Summit of Bluff. Bears  
 N. & S.  
 Foot of Bluff, bears S. S. W.  
 Set sand stone 16 x 10 x 4, marked on  
 the east "14 m"; built mound of earth  
 around same and dug pits on the  
 East and West sides, ten links from  
 base of mound, for the 14<sup>th</sup> mile  
 corner.  
 Surface broken. Prairie. Soil sd.  
 rate.

-6. 50  
 28. 00  
 80. 00

East on True Line, mile no. 14  
 Va. 14<sup>th</sup> 55' East.  
 Level to lbs. wide, gentle current  
 sandy bottom, course N. E.  
 Set sand stone 28 x 10 x 8, marked  
 on the east "13 m"; built mound of  
 earth around same and dug pits  
 on the East and West sides, ten  
 links from base of mound for the  
 13<sup>th</sup> mile corner.

-46. 00  
 80. 00

Field Notes of the North Boundary

Chas. Prich  
BOOK 1931

Surface rolling. Prairie. Soil 2<sup>nd</sup> sub

East on True Line, mile no. 13.  
Va. 14° 50' East

80. 00

Set sand stone, 24 x 20 x 6, marked on the east "12 m". built mound of earth around same and dug pits on the East and West sides, ten links from base of mound for the 12<sup>th</sup> mile corner.

Surface level. Prairie. Soil 2<sup>nd</sup> sub

East on True Line, mile no. 12  
Va. 14° 24' East

80. 00

Set sand stone, 20 x 10 x 4, marked on the east "11 m". built mound of earth around same and dug pits on the East and West sides ten links from the base of mound, for the 11<sup>th</sup> mile corner

Surface level. Prairie. Soil 2<sup>nd</sup> sub

East on True Line, mile no 11.

Va. 14° 40' East

80. 00

Square sand stone blocks 200 feet high bears S. 50° W. about 40 chs. distance

80. 00

Set sand stone 18 x 12 x 6 marked on the east "10 m". built mound of earth around same and dug pits on the East and West sides ten links from base of mound for the 10<sup>th</sup> mile corner.

Surface level. Prairie. Soil 2<sup>nd</sup> sub

East on True Line, mile no. 10

Va. 14° 40' East

80. 00

Deposited marked stone, set chanced

Chain links

post squared at the top, marked on the east "9 m"; built mound of earth around same and dug pits on the east and West sides ten links from base of mound for the 9<sup>th</sup> mile corner. Surface level. Prairie. Soil 2<sup>nd</sup> rate.

East on True Line, mile no. 9.  
Va. 14<sup>th</sup> 37 East

so. so

Deposited marked stone, set charred post, squared at the top, marked on the east "8 m"; built mound of earth around same and dug pits on the east and West sides, ten links from base of mound, for the 8<sup>th</sup> mile corner. Surface level. Prairie. Soil 2<sup>nd</sup> rate

East on True Line, mile no. 8.  
Va. 14<sup>th</sup> 35 East

so. so

Deposited marked stone, set charred post, squared at the top, marked on the east "7 m"; built mound of earth around same and dug pits on the east and West sides, ten links from base of mound, for the 7<sup>th</sup> mile corner. Surface level. Prairie. Soil 1<sup>st</sup> rate

East on True Line, mile no. 7.  
Va. 14<sup>th</sup> 33 East

so. so

Set sand stone, 16x10x4, marked, on the east "6 m"; built mound of earth around same and dug pits on the east and West sides, ten links from base of mound, for the 6<sup>th</sup> mile corner.

Chas. L. ...

BOOK 1931

Surface level. Prairie. Soil 1<sup>st</sup> cat.

Leas on True Line, mile no. 6

Va. 14<sup>th</sup> 31' East

Ascend slope bears S. E.

Top of bluff bears S. E.

Set sand stone, 24 x 18 x 8, marked on the east "5 m"; built mound of earth around same and dug pits on the East and West sides, ten links from base of mound, for the 5<sup>th</sup> mile corner. Surface broken. Prairie. Soil 3<sup>rd</sup> cat.

30. 00  
29. 00  
28. 00

Leas on True Line, mile no. 5.

Va. 14<sup>th</sup> 29' East.

Set sand stone 24 x 15 x 8, marked on the east "4 m"; built mound of earth around same and dug pits on the East and West sides, ten links from base of mound, for the 4<sup>th</sup> mile corner.

Surface broken. Prairie. Soil 3<sup>rd</sup> cat.

80. 00

Leas on True Line, mile no. 4

Va. 14<sup>th</sup> 25' East

Set sand stone 24 x 24 x 8 marked on the East "3 m"; built mound of earth around same, and dug pits on the East and West sides, ten links from base of mound, for the 3<sup>rd</sup> mile corner. Surface broken. Prairie. Soil 3<sup>rd</sup> cat.

80. 00

Leas on True Line, mile no. 3.

Va. 14<sup>th</sup> 24' East

Foot of sand stone ridge, bears N. and S.

Set sand stone 20 x 12 x 5, marked on

55. 00  
86. 00

Chain Links

the least "2 in"; brief mound of stone around same and dug pits on the East and West sides, then links from base of mound for the 2<sup>nd</sup> mile corner.  
Surface broken. Prairie Soil 3<sup>d</sup> rate.

80. 00

East on True Line, mile no. 2.  
Pa. 14<sup>+</sup> 20' East  
Set sand stone, 24x12x5, marked on the East "1 m". brief mound of earth ground same and dug pits on the East and West sides, then links from base of mound, for the 1<sup>st</sup> mile corner.  
Surface broken. Prairie Soil 3<sup>d</sup> rate.

39. 50

80. 00

East on True Line, mile no. 1  
Pa. 14<sup>+</sup> 18' East  
Foot of Sand Stone Ridge, bears N. and E.  
Corner to the four Territories of New Mexico, Arizona, Utah and Colorado as established in 1868.  
Surface broken and stony. Prairie Soil 3<sup>d</sup> rate.

General Description of North Boundary  
The line passes over a prairie country, gently rolling, soil generally 2<sup>nd</sup> rate, with the exception of the first five miles West from the Territorial corner, which is broken and soil 3<sup>d</sup> rate. Valley extends South to foot of mountains, averaging about six miles.

Chains Links

We hereby certify that we assisted  
L. V. Darling, U.S. Surveyor and  
Astronomer in surveying the  
\* \* \* \* \* and also that portion of  
the North Boundary of the Na-  
vajo Indian Reservation, lying  
between the North West corner of  
same and the corner to the Territory  
of New Mexico Arizona, Utah  
and Colorado, and that the said  
Boundaries have been in all respects  
to the best of our knowledge and  
belief well and faithfully sur-  
veyed and the boundary monu-  
ments <sup>placed</sup> according to instructions  
furnished by the Commis-  
sioner of the General Land Office

George H. Pratt Comptroller

Walter S. Harman } Chairman  
William Burgess }

Oliver Douglas } Comptroller  
Joe H. Fitchell }  
Juan Martin & his name }

Signed and sworn to before me in  
Township no. 4 North, Range 1 West  
this 3d day of November 1929.  
L. V. Darling  
U.S. Surveyor

I, Leland V. Darling, U.S. Sur-  
veyor do solemnly swear, that in  
fulfillance of a contract with  
Mr. S. Wilson Commissioner of the  
General Land Office, Washington



D. C. and in <sup>strict</sup> conformity to the laws of the United States and the instructions furnished by the said Commissioner I have faithfully surveyed the ~~xxx~~ and Western half of the North boundaries of the Navajo Indian Reservation in the Territories of New Mexico and Arizona, and do further solemnly swear that the foregoing are the true and original field notes of such survey.

Chud N. Darling  
U. S. Surveyor

Subscribed and sworn to before me, a Notary Public in and for the county of Bernalillo Territory of New Mexico, this 6<sup>th</sup> day of November, 1869.

Seal

Thomas V. Peans  
Notary Public

Department of the Interior  
General Land Office.  
December 10. 1869

The foregoing field notes of the survey of ~~xxx~~ the Western half of the North boundaries of the Navajo Indian Reservation in the Territories of New Mexico and Arizona, executed by Chud N. Darling U. S. Surveyor and Asst. Commissioner in accordance with his contract dated April 29. 1869, and the 2<sup>d</sup>. Article of the Treaty with the Navajo Tribe of Indians, dated June 1. 1868 having been critically examined and the necessary corrections and explanations made, they and the survey they describe are hereby approved.

Jos. S. Wilson  
Commissioner

Department of the Interior  
General Land office  
February 26<sup>th</sup> 1871

I certify the foregoing to be a true copy.

*J. M. ...*  
Commissioner