

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

1932

BOOK 1932

1932

1932

( Extract from )

FIELD NOTES OF THE SURVEY OF THE  
SOUTH BOUNDARY

of the

NAVAJO INDIAN RESERVATION

by

ERUD N. DARLING,

U. S. SURVEYOR AND ASTROLOGER,

UNDER HIS CONTRACT WITH

HON. JOS. S. WILSON,

Commissioner of the General Land Office,

Head Washington, D. C., April 29, 1869.

1932

1932

1932

1932

Field Notes of the South Boundary

Chains

X X X X X

West on mile No. 25, South Boundary of sec. 36.  
 Va. 13° 44' East.

14.00 Edge of canon, 300 feet deep, Course  
 South, South West.

30.00 Foot of Sand Stone ledge.

40.00 Set sand stone, 18x14x4, for  $\frac{1}{4}$  sec. cor., as per in-  
 structions.

68.00 Ascend Bluff. Course South, South West.

65.90 Top of same.

80.00 Set sandstone, 16x14x4, marked on the East "25 m",  
 on the West five notches; built mound of earth  
 around same and dug pits on the East and West  
 sides, ten links from base of mound, for the  
 25th mile corner and corner to Secs. 35 and  
 36.

Surface broken, covered with Cedar and Pinon,  
 3d rate. Soil 3d rate.

West on mile No. 26, South Boundary of sec. 35.  
 Va. 13° 42' East

40.00 Set sandstone, 16x14x5, for  $\frac{1}{4}$  sec. cor., as per  
 instructions.

70.00 Foot of Sand Stone ledge, 40 feet high.

80.00 Set sandstone, 20x14x4, marked on the East "26 m",  
 on the West four notches; built mound of earth  
 around same and dug pits on the East and West  
 sides, ten links from base of mound, for the  
 26th mile corner and corner  $\frac{1}{4}$  sec. 34 and 35.  
 Surface broken scattering Pinon timber, 3d rate  
 Soil 3d rate.

Chains.

West on mile No.27, South Boundary of sec. 34.

Va. 13° 48' East.

30.00 Canon, 40 feet deep and 25 lks. wide.

Course South West.

40.00 Set sandstone, 15x10x8, for  $\frac{1}{4}$  sec. cor., as per instructions.

80.00 Set sandstone, 18x12x3 marked on the East "27 m", on the West 3 notches; built mound of earth around same and dug pits on the East and West sides, ten links from base of mound, for the 27th mile corner and corner to secs. 33 and 34. Surface broken and mostly covered with Cedar and Pinon, 3<sup>d</sup> rate. Soil 3<sup>d</sup> rate.

West on mile No.28, South Boundary of sec. 33.

va. 13° 48' East.

27.00 Foot of Bluff, and leave timber, bears North and South.

40.00 Set sandstone, 14x12x3, for  $\frac{1}{4}$  sec. cor., as per instructions.

52.00 Top of Ridge 500 feet high covered with Cedar and Pinon. Bears North and South.

80.00 Set sandstone, 22x12x7, marked on the East "28 m", on the West two notches; built mound of earth around same and dug pits on the East and West sides, ten links from base of mound, for the 28th mile corner and corner to secs. 32 and 33. Surface broken and partly covered with Cedar and pinon, 3<sup>d</sup> rate. Soil 3<sup>d</sup> rate.

Chains	
	<p>West on mile No. 29, South Boundary of sec.32. Va. 13°48' East.</p>
6.75	Foot of sandstone ledge, 100 feet high. Extends
	North and South. Enter valley bears North
	and South.
15.50	Perpendicular sandstone bluff, 50 feet high. Extends
	North and South.
40.00	Set charred stake and built mound for $\frac{1}{4}$ sec. cor.,
	as per instructions
80.00	Set sandstone, 16x12x5, marked on the East "29 m",
	on the West one notch; built mound of earth
	around same and dug pits on the East and West
	sides, ten links from base of mound, for the
	29th mile corner and corner to secs. 31 and 32.
	Surface broken, mostly prairie, a portion be-
	ing covered with cedar and pinon, 3 <sup>d</sup> rate.
	Soil 3 <sup>d</sup> rate.
<hr/>	
	West on mile No.30, South Boundary of sec.31.
	Va. 13°45' East.
40.00	Set charred post and built mound, for $\frac{1}{4}$ sec. cor.,
	as per instructions.
56.50	Summit of Rise. Course North and South.
62.50	Ravine, 50 lks. wide. Course North and South
66.00	Ravine, 25 lks. wide. Course North and South.
80.00	Set sandstone, 24x10x3, marked on the East "30 m",
	on the North and West 6 notches; built mound
	of earth around same and dug pits on the North,
	East and West, ten links from base of mound,
	for the 30th mile corner and corner to secs.31
	and 36, Township No.1 North, Ranges 5 and 6 West
	Surface rolling Prairie, Soil 2 <sup>nd</sup> rate.

Chains.	West on mile No. 31, South Boundary of sec. 36. Va. 13°45' East.
40.00	Set sandstone, 16x10x3, for $\frac{1}{4}$ sec. cor., as per instructions.
44.50	Foot of Bluff, running North and South.
52.50	Top of same.
55.00	Foot of same.
59.50	Intersect Road running between New Fort Wingate and Old Fort Defiance
<del>64.50</del>	<del>Astronomical Monument on side of Old Fort Defiance.</del>
66.75	An Arroyo, 50 lks. wide with running water Course South, South East.
80.00	Set sandstone 16x14x3, marked on the East "31 m", on the West five notches, built mound of stone around and dug pits on the East and West sides, ten links from base of mound, for the 31st mile corner and corner to secs. 35 and 36. Surface broken Prairie. Soil 3d rate.
West on mile No. 32, South Boundary of sec. 35. Va. 13°45' East.	
3.30	Head in Canon Bonita. In order to determine distance across canon, set peg on west bank of same, then offset South 5 chs. thence West 19 chs. then offset North to line on South side of canon.
22.00	Across Canon, course West, South West. Enter timber, bears north and South.
40.00	Set sandstone, 20x14x6, for $\frac{1}{4}$ sec. cor., as per instructions
80.00	Set sandstone, 18x14x4, marked on the East "32 M", on the West four notches, built mound of earth around same, and dug pits on the East and West

Found by H.F. Robinson, U.S. Indian Service Irrigation Engineer, to have  
 fallen into Bonito Creek and the original stone was recovered by  
 him and re-set due East of its original position 25 feet (36 in.)  
 U.S. Surveyor General for Arizona notified of re-establishment of  
 this Monument by letter dated July 27, 1904.  
 Corrected distance is therefore 64.50 - .38 = 64.12 chs.

Field Notes of the South Boundary

Chains.	<p>sides, ten links from base of mound for the 3<sup>rd</sup> mile corner and corner to secs. 34 and 35. Surface broken and mostly covered with Cedar and pinon, 3<sup>d</sup> rate. Soil 3<sup>d</sup> rate.</p>
	<p>West on mile No. 33, South Boundary of sec. 34.          Va. 13° 45' East.</p>
7.50	Summit of Bluff, 250 feet high.
20.00	Foot of same, bears north and South.
40.00	Set sandstone, 12x12x3, for $\frac{1}{4}$ sec. cor., as per instructions.
44.50	Ravine, course north.
75.25	Ravine, course north.
80.00	Set sandstone, 12x14x3, marked on the East "33 m",
	<p>on the West 3 notches; 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 and corner to secs. 33 and 34. Surface rolling and mostly covered with Cedar and Pinon, 3<sup>d</sup> rate. Soil 3<sup>d</sup> rate.</p>
	<p>West on Mile No. 34, South Boundary of sec. 33.          Va. 13° 45' East.</p>
33.30	Ravine, course north.
40.00	Set sandstone, 12x14x3, for $\frac{1}{4}$ sec. cor., as per instructions.
80.00	<p>Set sandstone 12x12x3, marked on the East "34 m", on the West two notches, 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 and corner to secs. 32 and 33.</p>

## Chains

Surface rolling, and covered with Cedar and Pinon, 3<sup>d</sup> rate. Soil 3<sup>d</sup> rate.

West on mile No. 35, South Boundary of sec. 32.

Va. 13°45' East.

23.50 Yellow Pine, 2 $\frac{1}{2}$  feet in dia. on line Two notches on East and West.

36.40 Ravine, course North.

37.00 same, course North.

40.00 Set sandstone, 24x10x4, for  $\frac{1}{4}$  sec. cor. as per instructions.

69.00 Ravine, course North;

80.00 Set sandstone, 18x12x4, marked on the East "35.M", on the West one notch, built mound of earth

around same, and dug pits on the East and West sides, ten links from base of mound, for the 35th mile corner, and corner to secs. 31 and 32. Surface rolling, covered with Cedar and Pinon timber, 3<sup>d</sup> rate. Soil 3<sup>d</sup> rate.

West on mile No. 36, South Boundary of sec. 31.

Va. 13°45' East.

19.80 Canon, course North.

40.00 Set sandstone, 17x15x3, for  $\frac{1}{4}$  sec. cor., as per instructions.

80.00 Set sandstone, 20x20x5, marked on the East "36 M" on the North and West six notches, built mound of earth around same, and dug pits on the North, East and West sides, ten links from base of mound, for the 36th mile corner and corner to secs. 31 and 36, Township No. 1 North, Ranges 6 and 7 West.

Chains.

Surface rolling and covered with Cedar and  
Pine, 3<sup>d</sup> rate. Soil 2<sup>nd</sup> rate.

West on mile No. 37, South Boundary of sec. 36.  
Va. 13° 45' East.

40.00 Set sandstone, 24x16x6, for  $\frac{1}{4}$  sec. cor., as per in-  
structions.

80.00 Set sandstone, 18x12x4, marked on the East "37 N",  
on the West five notches; built mound of earth  
around same and dug pits on the East and West  
sides, ten links from base of mound, for the  
37th mile corner and corner to secs. 35 and 36  
Surface rolling and heavily timbered with Pine,  
1<sup>st</sup> rate. Soil 2<sup>d</sup> rate.

West on mile No. 38, South Boundary of sec. 35.  
Va. 13° 45' East.

40.00 Set sandstone, 24x16x5, for the  $\frac{1}{4}$  sec. cor., as  
per instructions.

80.00 Set sandstone, 18x14x5, marked on the East "38 N",  
on the West four notches; built mound of earth  
around same and dug pits on the East and West  
sides, ten links from base of mound, for the  
38th mile corner and corner to secs. 34 and 35  
Yellow pine 10 ins. in dia. N. 10° E. 45 lks.  
Yellow Pine, 15 ins. in dia. S. 20° W. 49 lks.  
Surface gently rolling and covered with Pine  
timber, 1<sup>st</sup> rate. Soil 2<sup>nd</sup> rate.

West on mile No. 39, South Boundary of sec. 34,  
Va. 13° 45' East.

Chains.

40.00 Set sandstone, 27x10x5, for  $\frac{1}{4}$  sec. cor. as per instructions

80.00 Set sandstone, 16x14x8, marked on the East "39 M", on the West 3 notches, built mound of earth around same and dug pits on the East and West sides, ten links from base of mound, for the 39th mile corner and corner to secs. 33 and 34.

Yellow pine, 18 ins. in dia. N.24° W. 64 lks.

Yellow Pine, 16 ins. in dia. S.17° E. 49 lks.

Surface rolling, covered with pine,

1st rate. Soil 2<sup>nd</sup> rate.

West on mile No. 40, South Boundary of sec. 33,

Va. 13. 45' East.

40.00 Set sandstone, 26x12x3, for  $\frac{1}{4}$  sec. cor., as per instructions.

80.00 Set sandstone 18x16x3, marked on the East "40 M", on the West two notches; built mound of earth around same, and dug pits on the East and West sides, ten links from base of mound, for the 40th mile corner and corner to secs. 32 and 33

Yellow pine, 16 ins. in dia. S.42°E.47 lks.

Yellow pine, 12 ins. in dia. N.20°W.35 lks.

Surface gently rolling, covered with pine, 1st

rate. Soil 2<sup>nd</sup> rate.

West on mile no. 41, South Boundary of sec. 32.

Va. 13° 45' East.

40.00 Set sandstone, 16x14x3, and for  $\frac{1}{4}$  sec. cor., as

Field Notes of the South Boundary

<p>Chains.</p> <p>80.00</p>	<p>per instructions.</p> <p>Set sandstone, 28x26x3, marked on the East "41 M", on the West one notch, built mound of earth around same and dug pits on the East and West sides, ten links from base of mound for the 41st mile corner and corner to secs. 31 and 32 Yellow Pine, 10 ins. in dia. N.51° W. 62 lks. Yellow pine, 14 ins. in dia. S.10° E. 38 lks. Surface gently rolling and covered with Pine, 1st rate. Soil 2<sup>nd</sup> rate.</p>
<p>40.00</p> <p>40.00</p>	<p>West on mile no. 42, South Boundary of sec. 31. Va. 13° 45' East.</p> <p><del>Set sandstone, 14x12x3, for 1/4 sec. cor., as per instructions.</del></p> <p>Set sandstone, 20x18x4, marked on the East "42 M", on the north and West six notches; built mound of earth around same and dug pits on the North, East and West sides, ten links from base of mound, for the 42<sup>nd</sup> mile corner and corner to secs. 31 and 36, Township No. 1 north, Ranges 7 and 8 West. Yellow pine, 8 ins. in dia. N.27° W. 75 lks. Yellow pine, 12 ins. in dia. S.42° E. 36 lks. Surface rolling, covered with Pine, 1st rate. Soil 2<sup>nd</sup> rate.</p>
<p>40.00</p>	<p>West on mile no. 43, South Boundary of sec. 36. Va. 13° 45' East.</p> <p>Set sandstone, 24x18x4, for 1/4 sec. cor., as per instructions.</p>

Chains.

80.00 Set sandstone, 34x18x2, marked on the East "43 M", on the West five notches; built mound of earth around same, and dug pits on the East and West sides, ten links from base of mound, for the 43<sup>d</sup> mile corner and corner to secs. 35 and 36 Yellow Pine, 9 ins. in dia. W.40°W.44 lks. Yellow Pine, 14 ins. in dia. S.18°E.63 lks. Surface rolling, covered with pine timber, 1st rate. Soil 2<sup>nd</sup> rate.

40.00 West on mile No.44, South Boundary of sec. 35. Va.13°45' East Set sandstone, 36x30x4, for  $\frac{1}{4}$  sec. cor., as per instructions.

41.50 Ravine, course N.W.

~~80.00~~ Set sandstone, 18x16x3, marked on the East "44 M", on the West four notches, built mound of earth around same, and dug pits on the East and West sides, ten links from base of mound, for the 44<sup>th</sup> mile corner and corner to secs. 34 and 35. Yellow Pine, 17 ins. in dia. S.42°E.29 lks. Yellow pine, 11 ins. in dia. N.34°W. 63 lks. Surface gently rolling, covered with Pine Timber, 1st rate. Soil 2<sup>nd</sup> rate.

West on mile No.45, South Boundary of sec.34. Va.13°45' East.

2.50 Leave Pine timber and enter Cedar and Pinen.

40.00 Set sandstone, 30x12x6, for  $\frac{1}{4}$  sec. cor., as per instructions.

80.00 Set sandstone, 28x25x16, marked on the East "45 M", on the West three notches, built mound of earth around same and dug pits on the East and West sides, ten links from base of mound, for

## Chains

the 45th mile corner and corner to secs. 33 and 34.

Surface rolling, covered with Cedar and Pinon, 3<sup>d</sup> rate. Soil 3<sup>d</sup> rate.

West on mile No. 46, South Boundary of sec. 33.

Va.  $13^{\circ}45'$  East

16.40 Little Colorado Canon, 250 feet deep. Sides almost perpendicular. Course South. In order to determine distance across canon, set flag on opposite side of same.

Then run North 5 chs. Flag bears  $S. 69\frac{1}{2}^{\circ}W$ .

The distance over canon is therefore 8 chs.

Its general course is West.

24.40 Leave sand.

40.00 Set sandstone  $30 \times 12 \times 8$ , for  $\frac{1}{4}$  sec. cor., as per instructions.

53.00 Little Colorado Canon, 450 feet deep, In order to determine distance over same, set flag on south side of canon, over bend in same, then run North 10 chs. Flag bears  $S. 75^{\circ}W$ . The distance therefore is 37.32 chs.

80.00 place for the 46th mile corner and corner to secs. 32 and 33, in canon, impossible to establish same.

Surface broken, mostly covered with Cedar and Pinon, 3<sup>d</sup> rate. Soil 3<sup>d</sup> rate.

West on mile No. 47, South Boundary of sec. 32,

Va.  $13^{\circ}45'$  East.

10.32 Top of Bluff.

chains

10.70 Little Colorado Canon, 450 feet deep.

Course North, North West. In order to determine distance of same, set flag on opposite side of canon, then run South 450 chs. Flag bears S.  $76 \frac{3}{4}^{\circ}$  W. The distance across canon is therefore 19.03 chs.

29.70 Top of Bluff. There is a stream of clear water running through the canon, about 20 lks. wide, with sandy bottom. The sides of the canon are almost perpendicular.

40.00 Set sandstone, 24x16x6, for  $\frac{1}{4}$  sec. cor., as per instructions.

51.50 Little Colorado Canon, 500 feet deep.

Course South West.

In order to determine distance over same, set flag on opposite bank of canon, then run South 5.00 chs. Flag bears N.  $74 \frac{3}{4}^{\circ}$  W. The distance is therefore 18.33 chs.

69.83 Leave Canon, bears S.S.W.

80.00 Set sandstone, 16x15x3, marked on the East "47 M", on the West one notch, built mound of earth around same and dug pits on the East and West sides, ten links from base of mound, for the 47th mile corner and corner to secs, 31 and 32. Surface broken, covered with Cedar and pinon, canon excepted, 3<sup>d</sup> rate. Soil 3<sup>d</sup> rate.

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West on mile No. 48, South Boundary of sec. 31.

Va.  $13^{\circ} 45'$  East.

40.00 Set sandstone, 48x8x4, for  $\frac{1}{4}$  sec. cor. as per instructions.

53x57 Canon, 200 feet deep, Course S.E.

1882

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## View of the South Boundary

Chains. In order to determine distance over same, set flag on West side of canon then run South 1.50 chs. Flag bears N. 76° W. The distance is therefore 3.02 chs.

69.40 Leave canon, course South, sides are almost perpendicular. There is a small stream running through the canon.

80.00 Set sandstone, 50x30x16, marked on the East "48 M", on the North and West six notches; built mound of earth and stone around same, and dug pits on the North, East and West sides, ten links from base of mound, for the 48th mile corner and corner to secs. 31 and 36, Township No. 1 North, Ranges 8 and 9 West. Surface broken and covered with cedar and Pinon, 3d rate. Soil 3d rate.

West on mile no. 49, South Boundary of sec. 36.

Pa. 13° 45' East.

40.00 Set sandstone, 16x14x4, for  $\frac{1}{4}$  sec. cor., as per instructions.

80.00 Set sandstone, 36x14x4, marked on the East, "49 M", on the West five notches; built mound of earth around same and dug pits on the East and West sides, ten links from base of mound, for the 49th mile corner and corner to secs. 35 and 36. Surface broken, covered with Cedar and pinon, 3d rate. Soil 3d rate.

West on mile no. 50, South Boundary of sec. 35.

Pa. 13° 45' East.

40.00 Set sandstone, 16x12x3, for  $\frac{1}{4}$  sec. cor., as per instructions.

Chains,

50.50 Little Colorado Canon, 300 feet deep. Course South.

52.50 Creek in same, 50 lks. wide, 1 foot deep. Clear water gently current and sandy bottom. Course W.N.W.

57.00 Leave river bottom, bears W.N.W.

66.50 Enter bottom and Prairie, bears S.S.W.

75.75 Leave same W.S.W. Enter scattering Pinon timber.

80.00 Set sandstone, 24x18x3, marked on the East "50 M", on the West four notches; built mound of earth around same and dug pits on the East and West sides, ten links from base of mound, for the 50th mile corner and corner to secs. 34 and 35. Surface broken mostly and partly covered with Cedar and pinon timber, 3<sup>d</sup> rate. Soil in bottom 1<sup>st</sup> rate and from appearances has been well cultivated. Soil in timber 3<sup>d</sup> rate.

West on mile No. 51, South Boundary of sec. 34.

Va. 13° 45' East.

40.00 Set sandstone, 16x10x4, for  $\frac{1}{4}$  sec. cor. as per instructions.

50.50 Enter Bottom and Prairie, bears N. and S. Leave Timber.

50.00 Colorado Creek, 30 chs. wide. Course S.W. Banks perpendicular about 12 feet high.

80.00 Set sandstone, 18x16x4, marked on the East "51 M", on the West three notches, built mound of earth around same and dug pits on the East and West sides, ten links from base of mound, for the 51st mile corner and corner to secs. 33 and 34. Surface broken, partly covered with Cedar and Pinon, 3<sup>d</sup> rate, the balance being prairie. Soil 1<sup>st</sup> and 2<sup>nd</sup> rate.

## Chains.

West on mile No. 52, South Boundary of sec. 33.  
 Va. 13° 45' East.

10.00 Enter upland, bears N. and S.

15.00 Enter scattering Pinon timber, bears N. and S.

40.00 Set sandstone, 18x12x12, for  $\frac{1}{4}$  sec. cor., as per instructions.

60.00 Set sandstone, 18x14x4, marked on the East "52 M", on the West two notches; built mound of earth around same, and dug pits on the East and West sides, ten links from base of mound, for the 52nd mile corner and corner to secs. 32 and 33. Surface rolling and partly covered with pinon, 3<sup>d</sup> rate. Soil 2nd rate.

West on mile No. 53, South Boundary of sec. 32.  
 Va. 13° 45' East.

40.00 Set sandstone, 14x12x3, for  $\frac{1}{4}$  sec. cor., as per instructions.

80.00 Deposited marked stone, set charred post, squared at the top, marked on the East "53 M", on the West end notch; built mound of earth around same and dug pits on the East and West sides, ten links from base of mound, for the 53rd mile corner and corner to secs. 31 and 32. Surface rolling. Scattering Pinon. 3<sup>d</sup> rate Soil 2<sup>d</sup> rate.

West on mile No. 54, South Boundary of sec. 31.  
 Va. 13° 45' East.

25.00 Enter valley and Prairie, bears N. and S.  
 Leave timber.

40.00 Set charred stake and built mound for  $\frac{1}{4}$  sec. cor., as per instructions.

chains.

78.50 Enter Indian corn-field of 50 acres.

80.00 Set sandstone, 16x14x4, marked on the East "54 M", on the North and West six notches; built mound of earth around same and dug pits on the North East and West sides, ten links from base of mound, for the 54th mile corner and corner to secs. 31 and 36, Townships No. 1 North, Ranges 9 and 10 West.

Surface level and mostly prairie.

Soil 1st rate.

West on mile No. 55, South Boundary of sec. 36.

Va. 13° 45' East.

9.00 Leave cornfield.

18.50 5th of creek, 10 lks. wide, Course South.

19.00 Enter upland and scattering Pinen timber. Bears N. and S.

40.00 Set sandstone, 18x12x2, for  $\frac{1}{4}$  sec. cor., as per instructions.

80.00 Set sandstone, 24x16x4, marked on the East "55 M", on the North five notches; built mound of earth around same and dug pits on the East and West sides, ten links from base of mound, for the 55th mile corner and corner to secs. 35 and 36.

Surface gently rolling. Partly covered with Pinen timber, 3<sup>d</sup> rate. Soil 2<sup>nd</sup> rate.

West on mile No. 56, South Boundary of sec. 35.

Va. 13° 45' East.

6.50 Leave scattering timber and enter valley, bears N.W. and S.E.

Chains.

35.00 Enter upland and scattering Pinon timber, bears N. and S.

40.00 Set sandstone, 34x10x6, for  $\frac{1}{4}$  sec. cor. as per instructions.

76.50 Leave timber and enter prairie.

80.00 Deposited marked stone, set charred post, squared at the top, marked on the East "56 N", on the West four notches; built mound of earth around same and dug pits on the East and West sides, ten links from base of mound, for the 56th mile corner and corner to secs. 34 and 35. Surface rolling, partly prairie and partly timber, 3d rate. Soil 1st and 2d rate.

West on mile No. 57, South Boundary of sec. 34.

vs. 13° 45' East.

40.00 Set charred post and built mound, for  $\frac{1}{4}$  sec. cor., as per instructions.

70.00 Enter pinon timber, bears N.W. and S.E.

80.00 Deposited marked stone, set charred post, squared at the top, marked on the East "57 N", on the West three notches; built mound of earth around same and dug pits on the East and West sides, ten links from base of mound, for the 57th mile corner and corner to secs. 33 and 34. Surface rolling, mostly prairie. Soil 2nd rate.

West on mile No. 58, South Boundary of sec. 33.

vs. 13° 45' East.

40.00 Set charred post and built mound for  $\frac{1}{4}$  sec. cor., as per instructions

Chains.	
49.50	Canon, course S.E.
52.00	Enter valley, bears N. and S.
80.00	Set sandstone, 14x12x9, marked on the East "58 M", on the West two notches; built mound of earth around same and dug pits on the East and West sides, ten links from base of mound, for the 58th mile corner and corner to secs. 32 and 33. Surface level. Scattering Pinon timber, 3 <sup>d</sup> rate. Soil 3 <sup>d</sup> rate.
West on mile No. 59, South Boundary of sec. 32.	
Va. 13° 45' East.	
40.00	Set sandstone, 14x12x3, for $\frac{1}{4}$ sec. cor., as per instructions.
30.00	Set sandstone, 16x12x8, marked on the East "59 M", on the West one notch; built mound of earth around same and dug pits on the East and West sides, ten links from base of mound, for the 59th mile corner and corner to secs. 31 and 32. Surface level. Scattering Pinon timber, 3 <sup>d</sup> rate. Soil 2 <sup>nd</sup> Rate.
West on mile No. 60, South of Boundary of sec. 31.	
Va. 13° 45' East.	
17.00	Top of bluff, bears N.E. and S.W.
40.00	Set charred post and built mound for $\frac{1}{4}$ sec. cor., as per instructions.
80.00	Set sandstone, 18x14x4, marked on the East "60 M", on the North and West six notches; built mound of earth around same, and dug pits on the North, East and West sides, ten links from base of mound, for the 60th mile corner and corner to secs. 31 and 36, Township No. 1 North, Range

Chains.

10 and 11 West.

Surface rolling. Scattering Pinon timber, 3<sup>d</sup> rate.Soil 2<sup>nd</sup> rate.

West on mile No. 61, South Boundary of sec. 36.

Va. 13° 45' East.

15.00 Top of bluff, bears N. and S.

40.00 Set sandstone, 28x18x6, for  $\frac{1}{4}$  sec. cor., as per instructions.

61.50 Ravine, course S.W.

80.00 Set sandstone, 18x16x4, marked on the East "61 N", on the West five notches; built mound of earth around same and dug pipe on the East and West sides, ten links from base of mound, for the  
with 61<sup>st</sup> mile corner and corner to sec. 35 and 36.Surface rolling. Scattering Pinon timber,  
3<sup>d</sup> rate. Soil 2<sup>nd</sup> rate.

West on mile No. 62, South Boundary of sec. 35.

Va. 13° 45' East.

5.00 Trail bears N.E. and S.W.

40.00 Set South West Corner of the Reservation. Deposited sandstone 12x12x4, 3 feet in the earth, marked "N.E.". Set a cedar post 9 feet long, and charred at the bottom, 2 $\frac{1}{2}$  feet in earth. Said post was squared and leveled at the top, and marked on the East "61 N", on the North, "S.W. cor. N.E.", and on the West "1869".  
Built conical mound, 4 $\frac{1}{2}$  feet high and 6 feet at

Chains.

base; dug pits  $2\frac{1}{2}$  feet square and 2 feet deep, on the North, South, East and West sides, 6 feet from base of mound.

From which,

North end of ridge bears N.  $40^{\circ} 31'$  E. South point of Mountain bears N.  $34\frac{1}{2}^{\circ}$  E.

South point of Mountains bears N.  $29^{\circ} 07'$  E.

East end of Squash Mountains bears N.  $15^{\circ}$  W.

Peak on Squash Mountains bears N.  $22^{\circ} 30'$  W.

North end of "Mesa Vaca", bears N.  $39^{\circ}$  W.

North end of Ridge of baked clay bears N.  $44^{\circ}$  W.

General Description of the South  
Boundary of the Reservation.

From the South-East corner to the 6th mile corner, the line passes over a broken and 3<sup>rd</sup> rate land, with a few scattering Pinon and cedar trees. In the next sixteen miles of the Boundary, the line passes over a prairie country, soil of the 1st and 2nd rate, a large portion of which has been under cultivation some years past. There are lakes in the valley, which afford an abundance of water. The balance of the line passes over a country, mostly covered with pinon and Yellow pine timber, soil 3<sup>rd</sup>, 2nd and 1st rate. There are a few fine valleys, which are generally small.

Department of the Interior,  
General Land Office,  
June 1932.

The foregoing transcript (pages 1 to 20 inclusive) of the field notes of the survey of a portion of the South Boundary of the Navajo Indian Reservation has been correctly copied from the original field notes of said survey on file in this office.

*J. H. Fimple*  
Acting Commissioner.