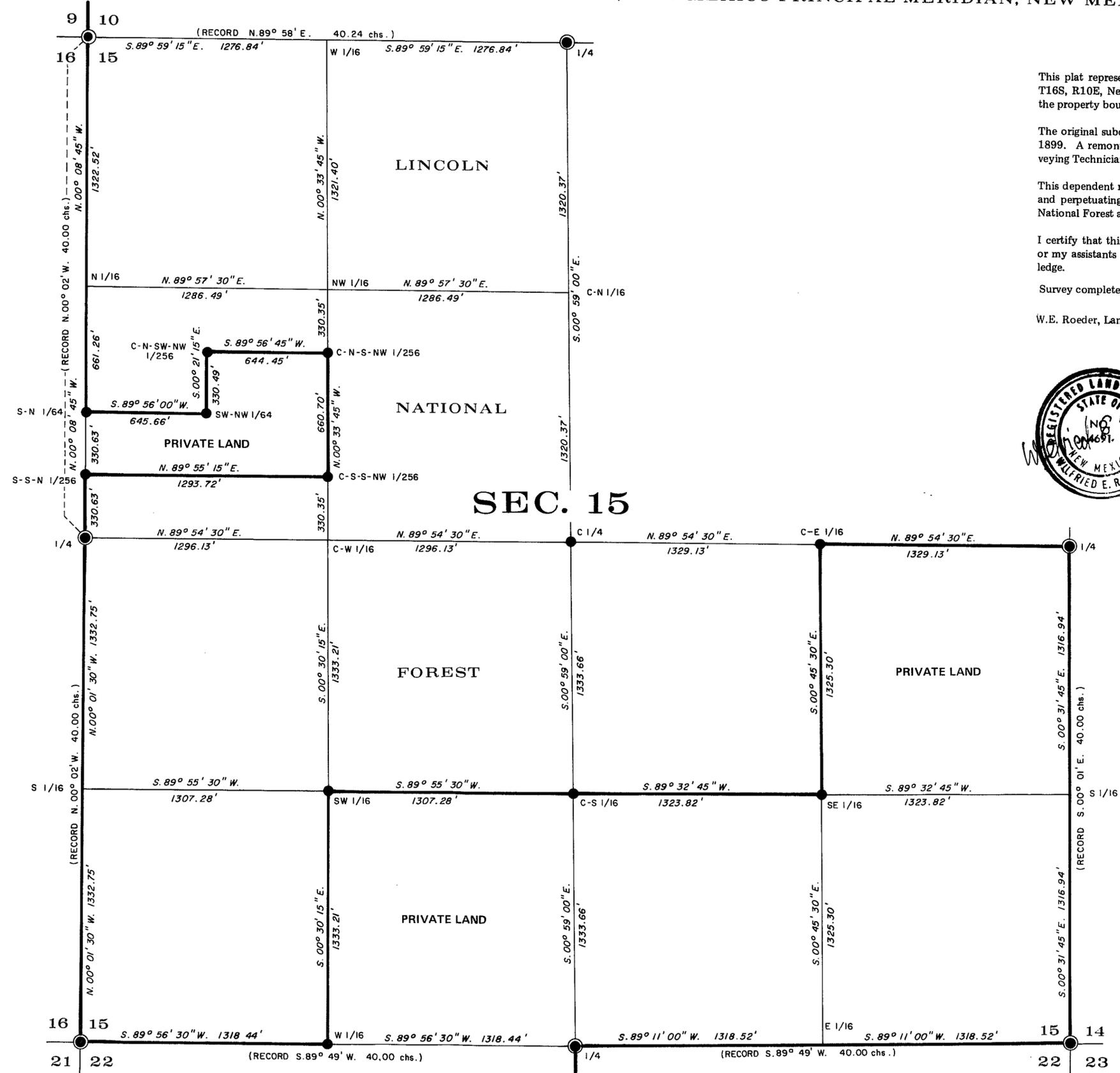


# DEPENDENT RESURVEY, SUBDIVISION AND MONUMENTATION OF SECTION 15 A PORTION OF THE LINCOLN NATIONAL FOREST PROPERTY LINE

SITUATED IN T. 16 S., R. 10E., NEW MEXICO PRINCIPAL MERIDIAN, NEW MEXICO



**CERTIFICATION**

This plat represents a record of the dependent resurvey, subdivision and monumentation of Section 15, T16S, R10E, New Mexico Principal Meridian, Otero County, New Mexico, which constitutes a portion of the property boundary of the Lincoln National Forest.

The original subdivision of T16S, R10E, was made by George C. Reed, U.S. Deputy Surveyor, in October 1899. A remonumentation of the exterior corners of Section 15 was made by William E. Stephens, Surveying Technician of the Bureau of Land Management and is a record of the BLM in Santa Fe, New Mexico.

This dependent resurvey, subdivision monumentation and record thereof is for the purpose of identifying and perpetuating the evidence of the original survey, was made at the request of the Supervisor, Lincoln National Forest and is intended for his exclusive use.

I certify that this dependent resurvey, subdivision, monumentation and record thereof was prepared by me or my assistants under my supervisory direction and that same is true and correct to the best of my knowledge.

Survey completed May 3, 1978

W.E. Roeder, Land Surveyor, Lincoln National Forest, Alamogordo, New Mexico, July 1978.

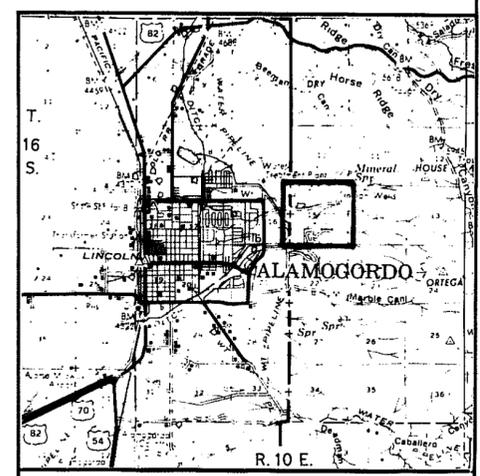
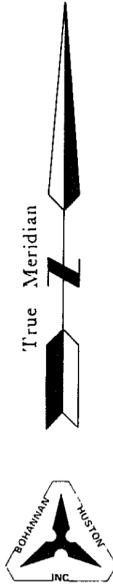


Assistants:  
S.E. Westmacott Instrumentman  
J. R. Kendall

NOTE: DISTANCES MEASURED WITH ELECTRONIC MEASURING DEVICE.  
AZIMUTH DETERMINED BY SOLAR OBSERVATION.

**LEGEND**

- CORNER REMONUMENTED/MONUMENTED.....●
- FOUND G.L.O. OR B.L.M. BRASS CAP.....●
- BOUNDARY OF NATIONAL FOREST LAND.....—
- PORTION OF SURVEY NOT A FOREST SERVICE PROPERTY LINE.....—



# DEPENDENT RESURVEY, SUBDIVISION AND MONUMENTATION OF SECTION 15 A PORTION OF THE LINCOLN NATIONAL FOREST PROPERTY LINE

**NOTE:**

This survey was executed in accordance with the instructions set forth in the BLM "Manual of Surveying Instructions" of 1973, using a 1 second directional theodolite and electronic distance measuring equipment. The directions of lines were determined by angular measurement from an initial azimuth obtained by direct solar observation at the 1/4 corner of Sections 15 and 16. All corners established as a result of this survey are monumented with an aluminum post, 2 1/2 ins. diameter, 30 ins. long, with aluminum cap and base.

"Record" refers to the 1899 original survey.

**FOREST SERVICE SIGN DESIGNATION**

54-2 Property Boundary  
 54-4 Attention

Feet I commence this survey on April 17, 1978 at the 1/4 section corner of Sections 15 and 16, as evidenced by a standard BLM iron post, proj. 6 ins. above the ground, with brass cap mkd.

1/4  
 S16 | S15  
 1961

No bearing trees established and none available.

Drive a steel post with Forest Service signs 54-2 and 54-4 attached alongside.

Corner is in a barbed wire fence line extending North and South.

Observe sun and compute azimuth

00.00 Thence  
 N00°08'45"W (record N00°02'W) between Sections 15 and 16

330.63 Proportional distance, at which point  
 Set an aluminum post, 30 ins. long, 20 ins. in the ground, with aluminum cap mkd.

T16S R10E  
 S16 | S15  
 S-S-N 1/256  
 L.S. 4691  
 1978

No bearing trees available.

Drive a steel post with Forest Service signs 54-2 and 54-4 attached alongside.

Continue N00°08'45"W

503.5 Center of a cattle guard on Indian Wells Trail

661.26 Proportional distance, at which point  
 Set an aluminum post, 30 ins. long, 24 ins. in the ground, with cap mkd.

T16S R10E  
 S16 | S15  
 S-N 1/64  
 L.S. 4691  
 1978

Build a mound of stone around the corner post to the top of the cap.

No bearing trees available.

Drive a steel post with Forest Service signs 54-2 and 54-4 attached alongside.

Continue N00°08'45"W

1322.52 Point for N 1/16 corner, not monumented

2645.04 (record 40.00 chs) at which point.

Intersect the corner of Sections 9, 10, 15 and 16 as evidenced by a standard BLM iron post, proj. 10 ins. above the ground, with brass cap mkd.

T16S R10E  
 S9 | S10  
 S16 | S15  
 1961

No bearing trees established and none available.

Drive a steel post with Forest Service signs 54-2 and 54-4 attached alongside

00.00 Thence  
 S89°59'15"E (record N89°58'E) between Sections 10 and 15.

1276.84 Point for W 1/16 corner, not monumented.

2553.68 (record 40.24 chs) at which point

Intersect the 1/4 section corner of Sections 10 and 15, as evidenced by a standard BLM iron post, proj. 2 ins. above the ground, with brass cap mkd.

T16S R10E  
 S10  
 1/4 ———  
 S15  
 1961

Build a mound of stone, 3 ft. base and 2 ft. high alongside.

No bearing trees established and none available.

Drive a steel post with Forest Service sign 54-4 attached alongside.

00.00 Thence  
 S00°59'00"E along the meridional centerline of Section 15.

1320.37 Point for C-N 1/16 corner, not monumented

2640.74 Intersect the latitudinal centerline of Section 15 at which point I find a 2x2 hub with tack and a mound of stone 2 ft. base 1 1/2 ft. high. At point of hub,

Set an aluminum post, 30 ins. long, 24 ins. in the ground, with aluminum cap mkd.

T16S R10E  
 SEC 15  
 C 1/4  
 L.S. 4691  
 1978

No bearing trees available.

Drive a steel post with Forest Service sign 54-4 attached alongside.

Continue S00°59'00"E

3974.40 Proportional distance, at which point.

Intersect an old 3/8 ins. rebar proj. 2 ins. above the ground in small mound of stone, established by Daniel Engineering Co., of Alamogordo. Alongside of rebar,

Set an aluminum post, 30 ins. long, 24 ins. in the ground with aluminum cap mkd.

T16S R10E  
 SEC 15  
 C-S 1/16  
 L.S. 4691  
 1978

No bearing trees available.

A powerpole bears South, 5.0 ft.

Drive a steel post with Forest Service signs 54-2 and 54-4 attached, alongside of corner.



Continue S00°59'00"E

5308.06 At which point  
 Intersect the 1/4 section corner of Sections 15 and 22 as evidenced by a standard BLM iron post, proj. 4 ins. above the ground, surrounded by a mound of stone, 3 ft. base and 1 ft. high, with brass cap mkd.

T16S R10E  
 S15  
 1/4 ———  
 S22  
 1961

No bearing trees established and none available

Drive a steel post with Forest Service signs 54-2 and 54-4 attached alongside.

Corner is 4 chains Southeast of an octagonal house, 2 chains North of a canyon draining west.

00.00 Thence  
 S89°56'30"W (record S89°49'W) between Sections 15 and 22

Descend into canyon.

1318.44 Proportional distance, at which point  
 Set a galvanized iron post, 2 1/2 ins. diam., 20 ins. long, 16 ins. in the ground in concrete, with brass cap mkd.

USDA FS  
 S15  
 W 1/16 ———  
 S22  
 L.S. 4691  
 1978

No bearing trees available.

An old galvanized iron pipe, 1 ins. diam., proj. 4 ins. above the ground in a small mound of stone bears West, 0.31 ft. dist.

The corner is at the Northeast corner of the junction of Thunder Road and a dirt road to the new City of Alamogordo water tank.

Continue S89°56'30"W

1333.0 Cross centerline of Thunder Road

2636.88 (record 40.00 chs) at which point

Intersect the corner of Sections 15, 16, 21 and 22 as evidenced by a standard BLM iron post, proj. 6 ins. above the ground, with brass cap mkd.

T16S R10E  
 S16 | S15  
 S21 | S22  
 1961

No bearing trees established and none available.

Drive a steel post with Forest Service signs 54-2 and 54-4 attached alongside.

The corner is at the southwest corner of an old corral, 1 ft. Southeast of a power pole in a barbed wire fence line extending North and South, about 100 ft. Northeast of the City of Alamogordo water tank.

00.00 Thence  
 N00°01'30"W (record N00°02'W) between Sections 15 and 16

1332.75 Point for S 1/16 corner, not monumented

2665.50 (record 40.00 chs) at which point,

Intersect the 1/4 corner of Sections 15 and 16, previously described, from which I started.



**U. S. Department of Agriculture**  
**FOREST SERVICE**  
 SOUTH WESTERN REGION, ALBUQUERQUE, NEW MEXICO

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**RECORD OF SURVEY**  
 WER 11-3-78

# DEPENDENT RESURVEY, SUBDIVISION AND MONUMENTATION OF SECTION 15 A PORTION OF THE LINCOLN NATIONAL FOREST PROPERTY LINE

00.00 Thence  
N89°54'30"E, along the latitudinal centerline of Section 15.

1296.13 Point for C-W 1/16 corner, not monumented.

2592.26 At which point

Intersect the C 1/4 corner, previously described

Continue N89°54'30"E

3921.39 Proportional distance, at which point

Set an aluminum post, 30 ins. long, 10 ins. in the ground on bedrock, with aluminum cap mkd.

T16S R10E  
SEC 15  
C-E 1/16  
L.S. 4691  
1978

No bearing trees available.

Build a mound of stone, 3 ft. base, to the top of the cap.

Drive a steel post with Forest Service signs 54-2 and 54-4 attached alongside.

Continue N89°54'30"E

3953.9 Intersect an old 3/8 ins. rebar, 16 ins. long, loosely set in a mound of stone, established by Daniel Engineering Co.

5250.52 At which point

Intersect the 1/4 section corner of Sections 14 and 15 as evidenced by a standard BLM iron post, proj. 16 ins. above the ground in a mound of stone 3 ft. at the base and 18 ins. high, with brass cap mkd.

T16S R10E  
1/4  
S15 | S14  
1961

No bearing trees established and none available.

Drive a steel post with Forest Service signs 54-2 and 54-4 attached alongside.

00.00 Thence  
S00°31'45"E (record S00°01'E) between Sections 14 and 15.

1316.94 Point for S 1/16 corner, not monumented

2633.88 (record 40.00 chs) at which point.

Intersect the corner of Sections 14, 15, 22 and 23 as evidenced by a standard BLM iron post set on outcropping bedrock in a mound of stone 4 ft. at the base and 2 1/2 ft. high, with brass cap mkd.

T16S R10E  
S15 | S14  
S22 | S23  
1961

No bearing trees established and none available.

Drive a steel post with Forest Service signs 54-2 and 54-4 attached alongside.

00.00 Thence  
S89°11'00"W (record S89°49'W) between Sections 15 and 22

Descend into canyon

1318.52 Point for E 1/16 corner, not monumented

2637.04 (record 40.00 chs) at which point

Intersect the 1/4 section corner of Sections 15 and 22 previously described.

STATE OF NEW MEXICO }  
OTERO COUNTY }  
FILED FOR RECORD IN MY OFFICE  
This day of Nov 1978  
at 9:50 o'clock A.M. and duly recorded  
in Book No. 23 Page 53-55

the records of Otero County, New Mexico  
*Margaret D. Sanchez*  
County Clerk, Otero County, New Mexico  
*Robert C. Olson*

38292

Return to the C-E 1/16 corner previously described.

00.00 Thence  
S00°45'30"E, computed bearing

1325.30 Computed distance, at which point.

Set an aluminum post, 30 ins. long, 20 ins. in the ground, with aluminum cap mkd.

T16S R10E  
SEC 15  
SE 1/16  
L.S. 4691  
1978

No bearing trees available.

Build a mound of stone around the corner post to the top of the cap.

Drive a steel post with Forest Service signs 54-2 and 54-4 attached alongside

00.00 Thence  
S89°32'45"W

1323.82 At which point

Intersect the C-S 1/16 corner previously described.

00.00 Thence  
S89°55'30"W, computed bearing

1307.28 Computed distance, at which point

Intersect an old 3/8 ins. rebar driven flush with the ground in a mound of stone 2 ft. at the base and 1 ft. high. Alongside of rebar.

Set an aluminum post, 30 ins. long, 10 ins. in the ground on a large boulder, with aluminum cap mkd.

T16S R10E  
SEC 15  
SW 1/16  
L.S. 4691  
1978

No bearing trees available.

Build a mound of stone 3 ft. at the base and 20 ins. high around the corner.

Drive a steel post with Forest Service signs 54-2 and 54-4 attached alongside.

00.00 Thence  
S00°30'15"E

1333.21 At which point

Intersect the W 1/16 corner of Sections 15 and 22 previously described.

Return to the S-S-N 1/256 corner of Sections 15 and 16 previously described.

00.00 Thence  
N 89°55'15"E, computed bearing

1293.72 Computed distance, at which point

Set an aluminum post, 30 ins. long, 24 ins. in the ground, with aluminum cap mkd.

T16S R10E  
SEC 15  
C-S-S-NW 1/256  
L.S. 4691  
1978

No bearing trees available.

Drive a steel post with Forest Service signs 54-2 and 54-4 attached alongside.

00.00 Thence  
N00°33'45"W, computed bearing

150.0 Cross Indian Wells Trail, bears East and West

660.70 Computed distance, at which point

Set an aluminum post, 30 ins. long, 22 ins. in the ground, with aluminum cap mkd.

T16S R10E  
SEC 15  
C-N-S-NW 1/256  
L.S. 4691  
1978

No bearing trees available

Build a mound of stone around the corner post to the top of the cap.

Drive a steel post with Forest Service signs 54-2 and 54-4 attached alongside.

00.00 Thence  
S89°56'45"W, computed bearing

644.45 Computed distance, at which point

Set an aluminum post, 30 ins. long, 20 ins. in the ground, with aluminum cap mkd.

T16S R10E  
SEC 15  
C-N-SW-NW 1/256  
L.S. 4691  
1978

No bearing trees available.

Build a mound of stone around the corner post to the top of the cap.

Drive a steel post with Forest Service signs 54-2 and 54-4 attached alongside.

00.00 Thence  
S00°21'15"E, computed bearing

330.49 Computed distance, at which point

Set an aluminum post, 30 ins. long, 6 ins. in the ground on bedrock, with aluminum cap mkd.

T16S R10E  
SEC 15  
SW-NW 1/64  
L.S. 4691  
1978

No bearing trees available.

Build a mound of stone, 3 ft. at the base and 2 ft. high around the corner post.

Drive a steel post with Forest Service signs 54-2 and 54-4 attached alongside.

The corner is near the top edge of rocky North bank of an arroyo 30 ft. deep, draining West.

00.00 Thence  
S89°56'00"W

645.66 At which point

Intersect the S-N 1/64 corner of Sections 15 and 16 previously described.

