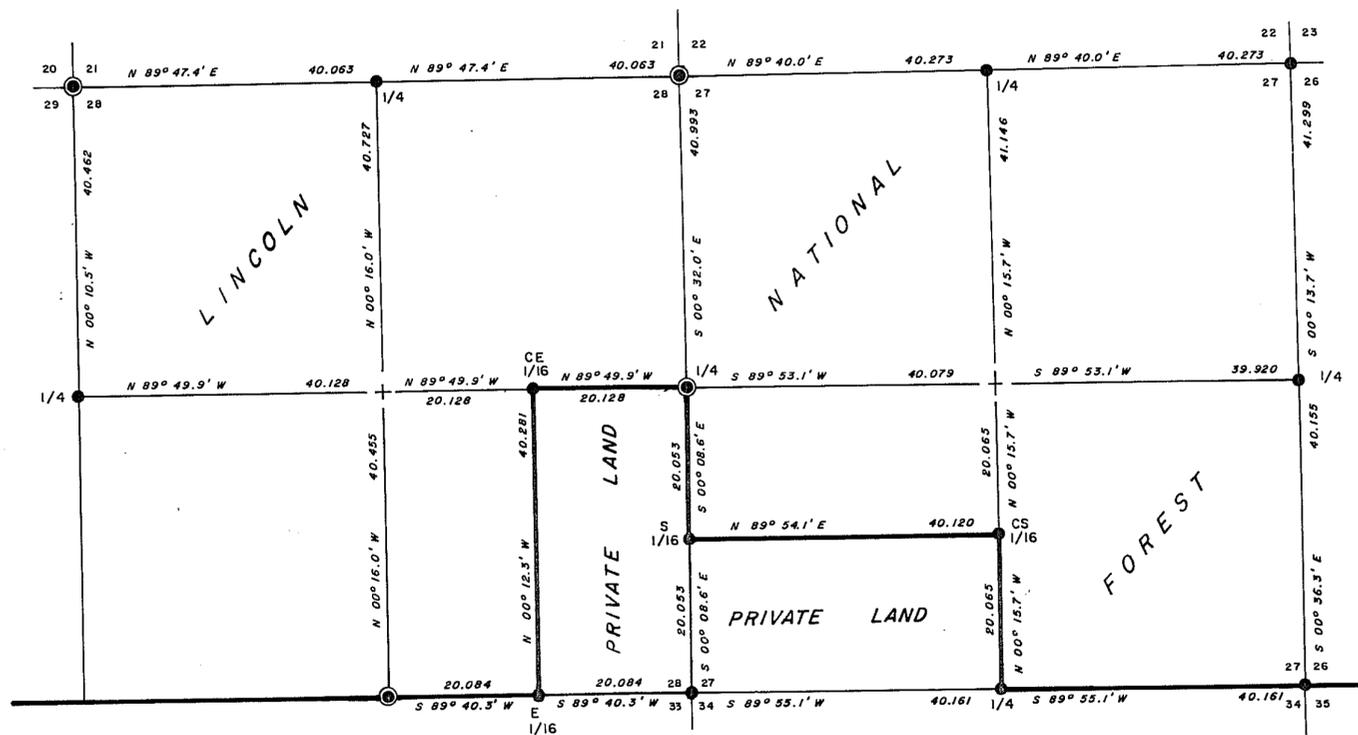


**SURVEY AND MONUMENTATION OF SECTIONS 27 AND 28
 T18S, R15E, N.M.P.M., OTERO COUNTY, NEW MEXICO
 A PORTION OF THE LINCOLN NATIONAL FOREST PROPERTY BOUNDARY**



CERTIFICATION

This plat represents a record of the survey, subdivision and monumentation of Section 27 and 28, T.18 S., R. 15 E., NMPM, Otero County, New Mexico, which constitutes a portion of the property boundaries of Lincoln National Forest.

The original subdivision of T.18 S., R.15 E., was executed by Samuel R. Biggs, U.S. Deputy Surveyor in 1884. Certain corners on the subdivisional lines of the township were remonumented in 1961 by the Bureau of Land Management. These surveys are an official record of the Bureau of Land Management in Santa Fe.

The west boundary of section 28 was resurveyed in 1981 by Wilfried E. Roeder of the U.S. Forest Service, a plat of that survey was entered into the records of Otero County on 5-27-81 in Book 27, Pages 49-59.

This survey, subdivision and monumentation is for the purpose of identifying and perpetuating the evidence of the previous official surveys, was made at the request of the Supervisor, Lincoln National Forest and is intended for his exclusive use.

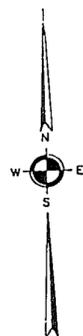
I certify that this survey, subdivision and monumentation was made by me or my assistants under my supervisory direction in August 1990, that it meets the Minimum Standards for Land Surveying in New Mexico, and that same is true and correct to the best of my knowledge.

Wilfried E. Roeder, Professional Surveyor, New Mexico Registration No. 4691, Lincoln National Forest, Alamogordo, New Mexico.

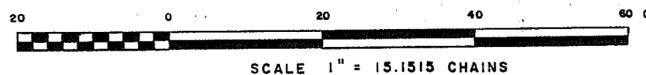
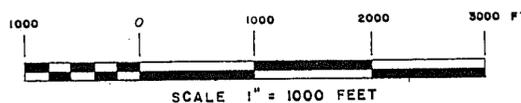
Wilfried E. Roeder 9/11/90
 Wilfried E. Roeder



- BLM/GLO BRASS CAP
- FOREST SERVICE ALUMINUM CAP
- ⊗ MARKED STONE
- FOREST BOUNDARY



BEARINGS FROM SOLAR OBSERVATION



THIS PLAT WAS PREPARED BY SOUTHWEST ENGINEERING INC. FROM INFORMATION PROVIDED BY LINCOLN NATIONAL FOREST U.S.D.A.

LINCOLN NATIONAL FOREST				SEI JOB NO A-90-142	
DATE	7 SEP 90	SCALE	1" = 1000'	DRAWN BY	MU
SOUTHWEST ENGINEERING, INC.				SHEET	1 OF 2
475 ARCHULETA RD., LAS CRUCES, NEW MEXICO 88005 (505) 526-3381					
1000 ZUNI DR., ALAMOGORDO, NEW MEXICO 88310 (505) 837-3381					
				REVISIONS	

**SURVEY AND MONUMENTATION OF SECTIONS 27 AND 28
T18S, R15E, NMPM, OTERO COUNTY, NEW MEXICO
A PORTION OF THE LINCOLN NATIONAL FOREST PROPERTY BOUNDARY**

Commence this survey at the corner of sections 21, 22, 27, and 28, T. 18 S., R. 15 E., as evidenced by a BLM iron post firmly set, proj. 9 ins. above ground, with brass cap mkd.

T 18 S R 15 E
S 21 S 22
S 28 S 27
1961

from which old bearing trees:

A juniper, 8 ins. diam., bears S 50 1/2°E, 39 lks. dist., mkd. X BT.
A juniper, 10 ins. diam., bears N 48 3/4°W, 35 lks. dist., mkd. X BT.

Thence: N 89°40.0'E (1884 record: S 89°53'E), between sections 22 and 27, 40.273 chs. (1884 record: 40.15) at which point, Make a diligent search for evidence of orig. 1/4 section corner, find no traces. At proportionate distance, set an aluminum post, 2 1/2 ins. diam., 30 ins. long, 15 ins. in ground, with aluminum cap mkd.

T 18 S R 15 E
1/4 S 22
S 27
LS 4691
1990

from which:

A juniper, 12 ins. diam., bears S 39°E, 17 lks. dist., mkd. 1/4 S27 BT

Continue N 89°40'E, between sections 22 and 27, 80.546 chs. (1884 record: 80.30) at which point, Intersect the corner of sections 22, 23, 26, and 27, as evidenced by a limestone meas. 18 x 12 x 4 ins., no mks. visible, loosely set in a supporting mound of stone, which I accept as best available evidence of orig. corner. In place of stone, set an aluminum post, 2 1/2 ins. diam., 30 ins. long, 8 ins. in ground, with aluminum cap mkd.

T 18 S R 15 E
S 22 S 23
S 27 S 26
LS 4691
1990

from which:

A juniper, 14 ins. diam., bears WEST, 35 1/2 lks. dist., mkd. X BT.

Thence:

S 00°13.7'W, (1884 record: SOUTH) between sections 26 and 27, 41.299 chs. (1884 record: 40.00) at which point, Intersect the 1/4 section corner of sections 26 and 27, as evidenced by a BLM iron post, firmly set, proj. 11 ins. above ground, with brass cap mkd.

T 18 S R 15 E
1/4
S 27 S 26
1961

from which an old bearing tree:

A juniper, 12 ins. diam., bears N 82°E, 77 lks. dist., mkd. T18S R15E 1/4 S17 BT.

Thence:

S 00°36.3'E (1884 record: SOUTH) between sections 26 and 27, 40.155 chs. (1884 record: 40.00) at which point,

Intersect the corner of sections 26, 27, 34, and 35, as evidenced by a BLM iron post, firmly set, proj. 10 ins. above ground, with brass cap mkd.

T 18 S R 15 E
S 27 S 26
S 34 S 35
1961

from which old bearing trees:

A ponderosa pine, 12 ins. diam., bears S 79°W, 60 lks. dist., with an almost closed blaze, scribe marks visible.
A cedar, 11 ins. diam., bears S 40°E, 46 lks. dist., mkd. T18S R15E S35 BT.

Thence,

S 89°55.1'W. (1884 record: S 89 49'W), between sections 27 and 34, 40.161 chs., make a diligent search for evidence of orig. 1/4 section corner, find no traces, at the proportional distance, Set an aluminum post, 2 1/2 ins. diam., 30 ins. long, 15 ins. in ground, with aluminum cap mkd.

T 18 S R 15 E
1/4 S 27
S 34
LS 4691
1990

Continue S 89°55.1'W, between sections 27 and 34, 80.322 chs. (1884 record: 80.29) at which point, Intersect the corner of sections 27, 28, 33, and 34 as evidenced by a limestone meas. 20 x 16 x 7 ins., mkd. with 3 grooves, loosely on ground near an old fence corner, from which a barbed wire fence extends E. and W., old fence line without wire extends N.

Accept fence corner as location for section corner, at which point, Set an aluminum post, 2 1/2 ins. diam., 30 ins. long, 26 ins. in ground, with aluminum cap mkd.

T 18 S R 15 E
S 28 S 27
S 33 S 34
LS 4691
1990

bury mkd. stone alongside.

Return to the 1/4 section corner of sections 27 and 34, previously described.

Thence:

N 00°15.7'W, along the meridional centerline of section 27, 20.065 chs., proportional distance for C-S 1/16 corner, at which point, Set an aluminum post, 2 1/2 ins. diam., 30 ins. long, 10 ins. in ground, with aluminum cap mkd.

T 18 S R 15 E
C S 1/16
S 27
LS 4691
1990

from which:

A juniper, 10 ins. diam., bears N 42°E, 55 lks. dist., mkd. X BT.

Continue N 00°15.7'W, 40.130 chs., at which point, Intersect the latitudinal centerline of section 27, not monumented. 81.276 chs., at which point, Intersect the 1/4 section corner of sections 22 and 27, previously described.

Return to the 1/4 section corner of sections 26 and 27, previously described.

Thence:

S 89°53.1'W, along the latitudinal centerline of section 27, 39.920 chs. intersect the meridional centerline of section 27, not monumented. 79.999 chs., intersect the 1/4 section corner of sections 27 and 28, as evidenced by a BLM iron post, firmly set, proj. 2 ins. above ground, with brass cap mkd.

T 18 S R 15 E
1/4
S 28 S27
1961

from which an old bearing tree:

A cedar, 10 ins. diam., bears S 88°1/2 E, 44 1/2 lks. dist., mkd. T18S R15E 1/4 S27 BT.

Thence:

N 89°49.9'W, along the latitudinal centerline of section 28, 20.128 chs., proportional distance for C-E 1/16 corner, at which point, Set an aluminum post, 2 1/2 ins diam., 30 ins. long, 19 ins. in ground, with aluminum cap mkd.

T 18 S R 15 E
C E 1/16
S 28
LS 4691
1990

from which:

A pinon, 8 ins. diam., bears S 76°W, 30 lks. dist., mkd. X BT.

Continue N 89°49.9'W, along the latitudinal centerline of section 28, 40.256 chs. at which point, Intersect the meridional centerline of section 28, not monumented.

Continue N 89°49.9'W, 80.384 chs. at which point, Intersect the 1/4 section corner of sections 28 and 29, as evidenced by a Forest Service aluminum post, firmly set, proj. 26 ins. above ground, with aluminum cap mkd.

T 18 S R 15 E
1/4
S 29 S 28
LS 4691
1981

from which old bearing trees:

A juniper, 10 ins. diam., bears S 44°E, 85 lks. dist., mkd. S 28 BT.
A juniper, 10 ins. diam., bears S 49°W, 67 lks. dist., mkd. S 29 BT.

Thence:

N 00°10.5'W, (1981 record: N 00 06'E), between sections 28 and 29, 40.462 chs. (1981 record: 40.465), at which point, Intersect the corner of sections 20, 21, 28 and 29, as evidenced by a BLM iron post, firmly set, proj. 15 ins. above ground, with brass cap mkd.

T 18 S R 15 E
S 20 S 21
S 29 S 28
1961

from which old bearing trees:

A pinon, 6 ins. diam., bears N 28°E, 55 1/2 lks. dist., mkd. X BT.
A juniper, 10 ins. diam., bears S 74 1/4°W, 142 1/2 lks. dist., mkd. X BT.
A juniper, 12 ins. diam., bears N 74°W, 105 lks. dist., mkd. T18S R15E S20 BT.

Thence:

N 89°47.4'E, (1884 record: N 89°52'E), between sections 21 and 28, 40.063 chs. (1884 record: 40.08), at which point, Make a diligent search for evidence of orig. 1/4 section corner, find no traces. At proportional distance, set an aluminum post, 2 1/2 ins. diam., 30 ins. long, 17 ins. in ground, with aluminum cap mkd.

T 18 S R 15 E
1/4 S 21
S 28
LS 4691
1990

from which:

A pinon, 7 ins. diam., bears N 13 1/2°W, 18 lks. dist., mkd. X BT.
A pinon, 8 ins. diam., bears S 59°W, 22 lks. dist., mkd. X BT.

Continue N 89°47.4'E, between sections 21 and 28, 80.126 chs., at which point, intersect the corner of sections 21, 22, 27, and 28, previously described.

Thence:

S 00°32.0'E, (1884 record: SOUTH), between sections 27 and 28, 40.993 chs. (1884 record 40.00), at which point, Intersect the 1/4 section corner of sections 27 and 28, previously described.

Thence:

S 00°08.6'E, (1884 record: SOUTH), between sections 27 and 28, 20.053 chs., proportional distance for S 1/16 corner, at which point, Set an aluminum post, 2 1/2 ins. diam., 30 ins. long, 10 ins. in ground, with aluminum cap mkd.

T 18 S R 15 E
S 1/16
S 28 S 27
LS 4691
1990

No suitable bearing trees near.

Continue S 00°08.6'E, 40.106 chs. (1884 record: 40.00), at which point, Intersect the corner of sections 27, 28, 33, and 34, previously described.

Thence:

S 89°40.3'W, (1884 record: N 89°56'W), between sections 28 and 33, 20.084 chs., proportional distance for E 1/16 corner, at which point, Set an aluminum post, 2 1/2 ins. diam., 30 ins. long, 28 ins. in ground, with aluminum cap mkd.

T 18 S R 15 E
E 1/16 S 28
S 33
LS 4691
1990

No suitable bearing trees near.

Corner is in a barbed wire fence line extending E. and W., 4 ft. east of fence corner.

Continue S 89°40.3'W, 40.168 chs. (1884 record: 39.97), at which point, Intersect the 1/4 section corner of sections 28 and 33, as evidenced by a BLM iron post, firmly set, proj. 14 ins. above ground, with brass cap mkd.

T 18 S R 15 E
1/4 S 28
S 33
1961

from which an old bearing tree:

A cedar, 9 ins. diam., bears S 62 1/2°W, 73 1/2 lks. dist., mkd. T18S R15E 1/4 S33 BT.

Thence:

N 00°16.0'W, along the meridional centerline of section 28, 40.455 chs., intersect the latitudinal centerline of section 28, not monumented. Continue N 00°16.0'W, 81.182 chs., at which point, Intersect the 1/4 section corner of sections 21 and 28, previously described.

STATE OF NEW MEXICO }
OTERO COUNTY } S.S. END OF SURVEY

FILED FOR RECORD IN MY OFFICE

This day of Sept 1990

At 12:20 o'clock A M and duly recorded

in Book No. 41, Page 44-45

the records of Otero County, New Mexico

County Clerk, Otero County, New Mexico

By [Signature]

7075



LINCOLN NATIONAL FOREST			
DATE	SCALE	DRAWN BY	SHEET
7 SEP 90	N/A	MU	2 OF 2
SOUTHWEST ENGINEERING, INC.			
475 ARCHULETA RD., LAS CRUCES, NEW MEXICO 88005 (505) 520-3381			
1000 ZUNI DR., ALAMOGORDO, NEW MEXICO 88310 (505) 437-1501			