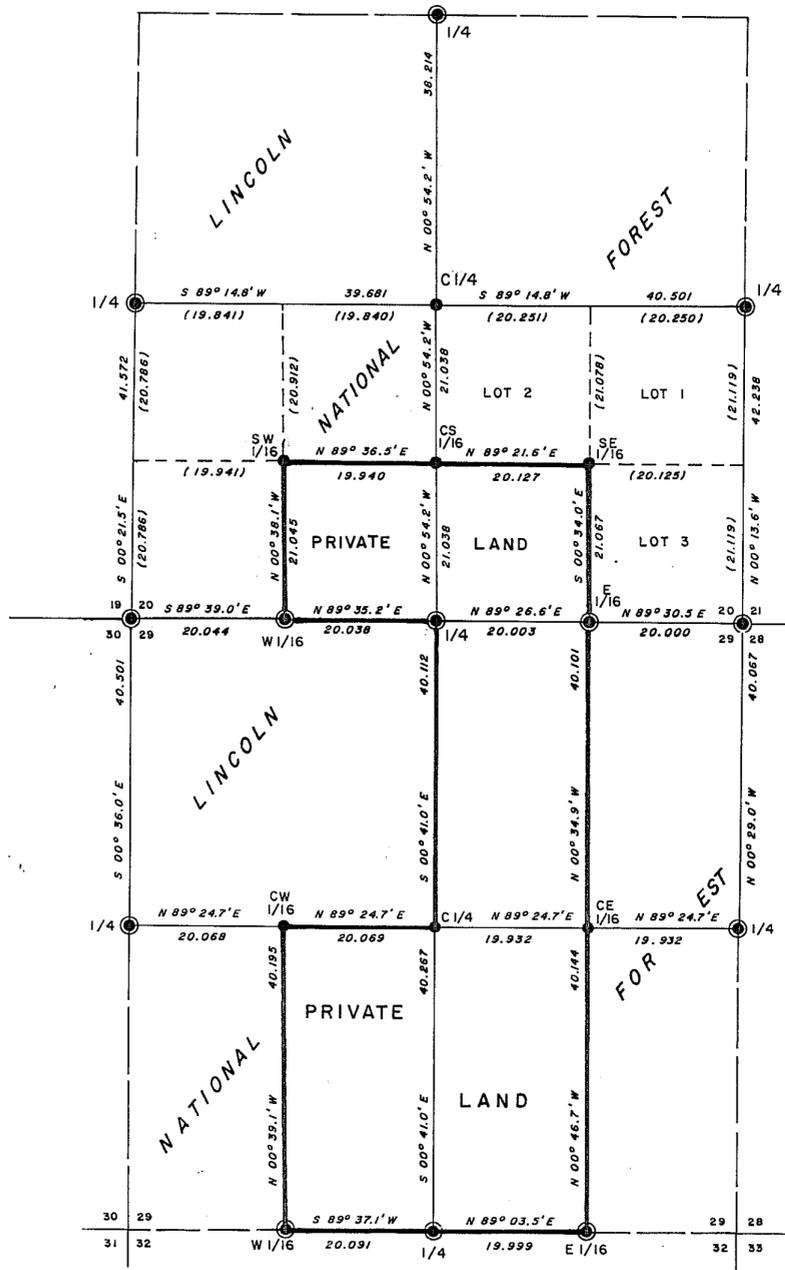


SURVEY AND MONUMENTATION OF SECTIONS 20 & 29 T18S, R14E, OTERO COUNTY, NEW MEXICO



CERTIFICATION

This plat represents a record of the survey, subdivision and monumentation of sections 20 and 29, T.18 S., R.14 E., NMPM, Otero County, New Mexico, which constitutes a portion of the property boundaries of Lincoln National Forest.

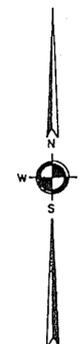
The original subdivision of T.18 S., R.14 E., was executed by Samuel R. Biggs, U.S. Deputy Surveyor in 1884. A dependent resurvey was made in 1941 by A. Parker Warner of the U.S. General Land Office and is an official record of the Bureau of Land Management in Santa Fe.

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.

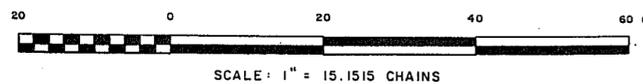
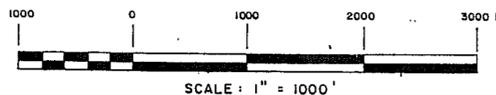
I certify that this survey, subdivision and monumentation was made by me or my assistants under my supervisory direction in September 1990, that it meets the Minimum Standards for Land Surveying in New Mexico, and that same is true and correct to the best of my knowledge.

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

Wilfried E. Roeder 9/17/90
 Wilfried E. Roeder



- GLO/BLM BRASS CAP
 - FS ALUMINUM POST WITH CAP
- 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				REVISIONS	
DATE	SCALE	DRAWN BY	SEI JOB NO.		
9/14/90	1" = 1000'	MU	A-90-146		
SOUTHWEST ENGINEERING, INC.					
475 ARCHULETA RD., LAS CRUCES, NEW MEXICO 88005 (505) 528-3381					
1000 ZUNI DR., ALAMOGORDO, NEW MEXICO 88310 (505) 437-					

SURVEY AND MONUMENTATION OF SECTIONS 20 & 29 T18S, R14E, OTERO COUNTY, NEW MEXICO

Commence this survey at the 1/4 section corner of sections 20 and 29, as evidenced by a GLO iron post, firmly set, proj. 19 ins. above ground, with brass cap mkd.

1/4 S 20
S 29
1941

no bearing trees remaining.

Thence:

N 89°26.6'E, (record: N 89°48 E), between sections 20 and 29, 20.003 chs. (record: 20.00), at which point, intersect the E1/16 corner of sections 20 and 29, as evidenced by a GLO iron post, firmly set, proj. 17 ins. above ground, set in mound of stone, with brass cap mkd.

T 18 S R 14 E
E 1/16 S 20
S 29
1941

from which an old bearing tree, the remains of a pine, broken off 20 ft. above ground, bears S 55°W, 34 lks. dist. (record: S 46°W), mkd. E1/16 S29 BT.

Thence:

N 89°30.5'E, (record: N 89°48 E), between sections 20 and 29, 20.000 chs. (record: 20.00), at which point, intersect the corner of sections 20, 21, 28, and 29, as evidenced by a GLO iron post, firmly set, proj. 6 ins. above ground, with brass cap mkd.

T 18 S R 14 E
S 20 | S 21
S 29 | S 28
1941

from which the remains of old bearing trees, a pine, 8 ins. diam., dead and down, place where tree stood bears N 45°E, 11 lks. dist., with an illegible blaze. A pine, 10 ins. diam., dead and down, place where tree stood bears N 23°W, 24 lks. dist., mkd. T18S R14E S20 BT.

Thence:

N 00°13.6'W, (record: N 00°09'W), between sections 20 and 21, 42.238 chs. (record: 42.17), at which point, intersect the 1/4 section corner of sections 20 and 21, as evidenced by a GLO iron post, loosely set, proj. 17 ins. above ground, set in mound of stone, with brass cap mkd.

1/4
S 20 | S 21
1941

from which an old bearing tree, a juniper, 11 ins. diam., dead and down, place where tree stood bears S 55°W, 55 lks. dist., mkd. 1/4 S20 BT.

Thence:

S 89°14.8'W, along the latitudinal centerline of section 20, 40.501 chs., intersect the meridional centerline of section 20 at which point,

Set an aluminum post, 2 1/2 ins. diam., 30 ins. long, 17 ins. in ground, with aluminum cap mkd.

T 18 S R 14 E
C 1/4
S 20
LS 4691
1990

from which,

A pinon, 10 ins. diam., bears S 84°W, 27 lks. dist., mkd. X BT.
A pinon, 12 ins. diam., bears N 41°E, 58 lks. dist., mkd. X BT.

Continue S 89°14.8'W, along latitudinal centerline,

80.182 chs., at which point, intersect the 1/4 section corner of sections 19 and 20, as evidenced by a GLO iron post, firmly set, proj. 12 ins. above ground, with brass cap mkd.

1/4
S 19 | S 20
1941

from which remains of old bearing trees,

A pine, 30 ins. diam., dead and down, place where tree stood bears S 42°E, 49 lks. dist., mkd. 1/4 S20 BT.
A detached portion of a pine mkd. 1/4 S19 BT found nearby.

Thence,

S 00°21.5'E, (record: S 00°40'W), between sections 19 and 20, 41.572 chs. (record: 41.57), at which point, intersect the corner of sections 19, 20, 29, and 30, as evidenced by a GLO iron post, firmly set, proj. 10 ins. above ground, with brass cap mkd.

T 18 S R 14 E
S 19 | S 20
S 30 | S 29
1941

record bearing trees destroyed,

Thence:

S 89°39.0'E, (record: S 89°45'E), between sections 20 and 29, 20.044 chs. (record: 20.025) at which point, intersect the W 1/16 corner of sections 20 and 29, as evidenced by a GLO iron post, firmly set, proj. 18 ins. above ground, with brass cap mkd.

T 18 S R 14 E
W 1/16 S 20
S 29
1941

record bearing trees destroyed,

Thence:

N 89°35.2'E, (record: S 89°45'E), between sections 20 and 29, 20.038 chs. (record: 20.025) at which point, intersect the 1/4 section corner of sections 20 and 29, previously described, from which I started.

Thence:

N 00°54.2'W, along the meridional centerline of section 20, 21.038 chs., proportional distance, 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 14 E
C S 1/16
S 20
LS 4691
1990

no bearing trees near.

Continue N 00°54.2'W, along meridional centerline, 42.076 chs., at which point,

intersect the C 1/4 corner previously described, 80.290 chs., at which point, intersect the 1/4 section corner of sections 17 and 20, as evidenced by a GLO iron post, firmly set, proj. 12 ins. above ground, with brass cap mkd.

1/4 S 17
S 20
1941

from which an old bearing tree, a pine, 10 ins. diam., bears N 31°E, 14 lks. dist., mkd. 1/4 S17 BT.

Return to the W 1/16 corner of sections 20 and 29, previously described,

Thence:

N 00°38.1'W, along the meridional centerline of the SW 1/4 of section 20, 21.045 chs., point for SW 1/16 corner, Set an aluminum tablet 3 1/2 ins. diam., in a drill hole in outcropping bedrock, tablet mkd.

T 18 S R 14 E
SW 1/16
S 20
LS 4691
1990

from which,

A juniper, 13 ins. diam., bears N 26°E, 49 lks. dist., mkd. X BT.
A juniper, 15 ins. diam., bears N 46°W, 70 lks. dist., mkd. X BT.
The center of a cattle guard bears S 14 W, 22 lks. dist.

Thence:

N 89°36.5'E, 19.940 chs., intersect the C S 1/16 corner previously described.

Thence:

N 89°21.6'E, along the latitudinal centerline of the SE 1/4 of section 20, 20.127 chs., point for SE 1/16 corner, Set an aluminum post, 2 1/2 ins. diam., 30 ins. long, 19 ins. in ground, with aluminum cap mkd.

T 18 S R 14 E
SE 1/16
S 20
LS 4691
1990

from which,

A pine, 14 ins. diam., bears S 40°E, 18 lks. dist., mkd. X BT.
A pine, 12 ins. diam., bears N 56°E, 09 lks. dist., mkd. X BT.

Thence:

S 00°34.0'E, 21.067 chs., intersect the E 1/16 corner of sections 20 and 29, previously described.

THIS COMPLETES THE SURVEY OF SECTION 20.

Return to the corner of sections 19, 20, 29, and 30, previously described.

Thence:

S 00°36.0'E, (record: SOUTH), between sections 29 and 30, 40.501 chs. (record: 40.51) at which point, intersect the 1/4 section corner of sections 29 and 30, as evidenced by a GLO iron post, firmly set, proj. 16 ins. above ground, in a mound of stone, with brass cap mkd.

1/4
S 30 | S 29
1941

bearing trees destroyed,

Thence:

N 89°24.7'E, along the latitudinal centerline of section 29, 20.068 chs., proportional distance for C W 1/16 corner at which point, Set an aluminum post, 2 1/2 ins. diam., 30 ins. long, on outcropping bedrock, with aluminum cap mkd.

T 18 S R 14 E
C W 1/16
S 29
LS 4691
1990

build a supporting mound of stone, 3 ft. base, around post to top of cap.

Continue N 89°24.7'E, along latitudinal centerline, 40.137 chs., intersect the meridional centerline of section 29, 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 14 E
C 1/4
S 29
LS 4691
1990

from which,

A pine, 13 ins. diam., bears N 85°W, 31 1/2 lks. dist., mkd. X BT.
A pine, 13 ins. diam., bears N 18°W, 45 lks. dist., mkd. X BT.

Continue N 89°24.7'W, along latitudinal centerline, 60.069 chs., proportional distance for C E 1/16 corner, at which point, Set an aluminum post, 2 1/2 ins. diam., 30 ins. long, 13 ins. in ground, with aluminum cap mkd.

T 18 S R 14 E
C E 1/16
S 29
LS 4691
1990

No bearing trees near,

Continue N 89°24.7'E, along latitudinal centerline, 80.001 chs., at which point, intersect the 1/4 section corner of sections 28 and 29, as evidenced by a GLO iron post, proj. 20 ins. above ground, firmly set in a supporting mound of stone, with brass cap mkd.

1/4
S 29 | S 28
1941

bearing trees destroyed,

Thence:

N 00°29'W, (record: N 00°18'E), between sections 28 and 29, 40.067 chs. (record: 40.05), at which point, intersect the corner of sections 20, 21, 28, and 29, previously described.

Return to the 1/4 section corner of sections 20 and 29, previously described.

Thence:

S 00°41.0'E, along the meridional centerline of section 29, 40.112 chs., intersect the C1/4 corner, previously described, 80.379 chs., intersect the 1/4 section corner of sections 29 and 32, as evidenced by a GLO iron post, firmly set, proj. 5 ins. above ground, with brass cap mkd.

1/4 S 29
S 32
1941

from which old bearing trees,

A pine, 24 ins. diam., dead, bears S 13°E, 56 lks. dist., with a closed blaze.
An oak, 14 ins. diam., bears N 5°15'E, 45 lks. dist., with a closed blaze.

Thence:

N 89°03.5'E, (record: N 89°11'E), between sections 29 and 32, 19.999 chs. (record: 19.995), at which point, intersect the E 1/16 corner of sections 29 and 32, as evidenced by a GLO iron post, proj. 22 ins. above ground, set in a mound of stone, with brass cap mkd.

T 18 S R 14 E
E 1/16 S 29
S 32
1941

Thence:

N 00°46.7'W, along the meridional centerline of the SE 1/4 of section 29, 40.144 chs., intersect the C E 1/16 corner, previously described, 80.245 chs., intersect the E 1/16 corner of sections 20 and 29, previously described.

Return to the 1/4 section corner of sections 29 and 32, previously described,

Thence:

S 89°37.1'W, (record: S 89°48'W), between sections 29 and 32,

20.091 chs. (record: 20.145), at which point, intersect the W 1/16 corner of sections 29 and 32, as evidenced by a GLO iron post, proj. 34 ins. above ground, loosely set in a supporting mound of stone, with brass cap mkd.

T 18 S R 14 E
W 1/16 S 29
S 32
1941

Thence:

N 00°39.1'W, along the meridional centerline of the SW 1/4 of section 29, 40.195 chs., intersect the C W 1/16 corner, previously described.



END OF SURVEY

LINCOLN NATIONAL FOREST
SEI JOB NO. A-90-146 9/14/90 D.B. MU SHEET 2 of 2

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

SOUTHWEST ENGINEERING INC.
475 ARCHULETA RD., LAS CRUCES, NEW MEXICO 88005 - (505)526-3381
1000 ZUNI DR., ALAMOGORDO, NEW MEXICO 88310 - (505)437-1501

STATE OF NEW MEXICO, County of Otero, ss. Filed for record in my office this 18th day of Sept. 1990, at 9:05 o'clock A.M. and duly recorded in Book 47 of the Records of said county. *Michael J. Holden* County Clerk Deputy