Record of Survey for the U.S. Forest Service, Fremont National Forest
Sections 26, 28, 29, and 30, T 30 S, R 14 E, W.M.
Lake County, Oregon

NARRATIVE

The purpose of this survey is to mark boundary lines between National Forest Land and privately owned land, in Sections 26, 28, 29, and 30, T 30 S, R 14 E, W.M. This survey was performed for the Fremont National Forest under Contract No. 53-84H1-5-0091N, Goose Cadastral Survey.

HISTORY - Both the west line of the township and the section lines were originally surveyed in 1871 by McClung and Pengra under Contract No. 143. In 1961, portions of the sections were surveyed by A.L. Moore for the Weyerhaeuser Company in C.S. 831. In 1968, the Bureau of Land Management remenumented the northeast corner of Section 28, the west quarter corner and the southwest corner of Section 30, and the east quarter corner of Section 32 from original evidence. In 1972, G. Robert Leckleider surveyed Section 18 for the U.S. Forest Service in C.S. 2083 and remenumented the northwest corner of Section 20 from original evidence. In 1981, Sherman Anderson remenumented the west quarter corner of Section 16. In 1982, Anderson remenumented the southeast corner of Section 28 and the northwest corner of Section 30. In 1982, Edgar W. Graves surveyed Section 17 for the U.S. Forest Service in C.S. 4594 and set a witness corner for the West 1/16th corner to Sections 17 and 28. In 1984, Carl E. Sundet surveyed the west line of the township for the U.S. Forest Service in C.S. 4754. In 1984, John Thompson remenumented the south quarter corner of Section 16 from original evidence. In 1985, Thompson remenumented the north quarter corner, the south quarter corner, and the southeast corner of Section 30 from original evidence. The south quarter corner of Section 28 was remenumented at an unknown date by Kenneth M. McAndrews. Section 19 was surveyed in 1986 as part of Goose Cadastral Survey and is filed as C.S. 4816.

SURVEY - Basis of bearings is a solar observation taken at the west quarter section corner of Section 19. A control traverse consisting of five stations, two of which were established as a part of the survey of Section 19, was run around the exterior of Thompson Reservoir. The previously established control stations were held as fixed points. Traverse loops were run around the exterior of Sections 20, 28, 32, and 30, tying to found corners. An additional loop was run to the south and west quarter corners of Section 16 to check the position of the assumed northeast corner of Section 20. These control traverse loops were then adjusted to the Reservoir control traverse.

An evaluation was required to be made of possible evidence of the northwest corner and east quarter corner of Section 20, and the north quarter corner of Section 28. One item which was taken into consideration in this evaluation, was the record distances versus the actual distances measured in this and previous resurveys. The west line of the township shows distances of
approximately 2588 feet to 2596 feet for a 40 chain record in C.S. 4754. The survey of Section 19 (C.S. 2883) shows distances of 2581 feet to 2597 feet for the west, south, and east sides for 40 chains, and 2626 feet for the north side. The survey of Section 17 (C.S. 4594) shows 2566 feet for 40.14 chains on the south side, 2592 feet for 40 chains on the east side, and 2476 feet and 2667 feet for 40.14 chains on the north side. C.S. 4100 shows 2597 feet for 40.10 chains on the south side of Section 16, 2591 feet on the east side, and 2594 feet between the opposite quarter corners of the section. C.S. 4737 shows 2481 feet for 40 chains on the south side of Section 28, 2688 feet for 40 chains on the east side and 2619 feet for 40 chains on the west side of Section 33. The south and east lines of Section 19 (C.S. 4816) were measured as 2668 feet for 40.55 chains and 2615 feet for 40 chains, respectively. It appears from these surveys that the common measurement of 40 chains made by McClung and Pengra was approximately 2590 to 2600 feet. This represents an index correction of approximately 0.985 and is used in the evaluation of possible evidence of the original corner, but not in the reestablishment of any lost corners.

In the vicinity of the northeast corner of Section 20, a mound of stone, somewhat scattered, and wood post with an Attention sign was found. Remains of an old tin tag were discovered. A stone of approximate record size (14"x10"x9") was found in this mound but no marks were visible. Other stones in the mound were also examined without result, and a search made in the vicinity of the mound and a preliminary proportional position without result. The position of this mound agreed favorably with the record measurements to existing corners to the West, North, and East, taking into account the index correction. The distance to the nearest positively identified corner to the South, the east quarter corner of Section 32 is 12979.4 feet (196.65 chains for 280 chains record) is considered too distant to evaluate for this particular corner, considering that there were several obvious errors made by McClung and Pengra. I believe that this mound represents the best available evidence of the original position of this corner.

An evaluation was next made of a mound of stone found in the expected vicinity of the north quarter corner of Section 28. A stone of approximately record dimensions (14"x12"x10") was found in the mound but no marks were visible. A search was made of other stones in the mound and in the vicinity of the mound without result. A search was also made of a preliminary proportional position for this corner without result. A blazed line dating to approximately 1946 runs East/West through the mound. The position of this mound agrees well in record direction and distance with the northeast corner of Section 28. I believe that this position represents the best available evidence of the original position of this corner.

In the expected vicinity of the east quarter corner of Section 20, a mound of stone, somewhat scattered, and a corner of an old dismantled fence was found. The mound of stone lies S 108°49' E, 2504.70 feet from the mound of stone accepted as the northeast corner of Section 28. The old fence line corresponds to the ownership pattern in this area. The corner of the fence lies S 2025' E, 125.6 feet from the mound of stone in the vicinity of this corner, and S 101°30' E, 2630.3 feet from the mound accepted as the northeast corner of Section 20. Two other mounds of stone, of unknown origin, were found approximately 800 and 1600 feet northerly of this mound of stone. The remains of old tin tags were found in each of the mounds along this line. A search
was conducted of stones in the mound but none were found with markings. Stones around the fence corner were examined without result. A search was also conducted in this vicinity and in the location of an approximate proportional position, without result. The length of the east line of Section 21 was calculated using data collected during this survey and from C.S. 4100. The east line of the Section 21 is approximately 5106 feet for 80 chains, an error of approximately 2.6 chains (or 1.4 chains if index correction is taken into account). An error of this magnitude is not reflected in the record of the original survey. The north line of Section 21 agrees reasonably with the original record in direction and distance, taking index correction into account, as does the east half of the south line. I believe that an error was made in the original measurement of the west line and/or the west half of the south line. The position of the mound of stone fits reasonably with the mound accepted as the north quarter corner of Section 28 (North 2593 feet and West 2591 feet). The distance from the fence corner to the mound accepted as the northeast corner of Section 28 (2638 feet) is not consistent with the majority of other measurements found in the vicinity which the original record represents as 48 chains. The position of the mound of stone in the vicinity of the assumed corner shows an unusual relationship with respect to the fence corner (125 feet) compared to the position with respect to the nearest of the mounds to the North (approx. 800 feet). Based on the relationship of this mound of stone with the mound of stone accepted as the north quarter corner of Section 28, I believe that this mound represents the best available evidence of the original position of the east quarter corner of Section 21.

The east quarter corner of Section 28 was searched for without result, and was reestablished by single proportion. The remaining unrecovered original corners of Sections 20, 28, 29, and 30 lie below the high water mark of Thompson Reservoir and are considered unrecoverable and their position calculated by proportion. The subdivisions of the sections were calculated in accordance with the principles outlined in the Manual of Surveying Instructions, 1973 and in accordance with the dimensions of the Government Lots as calculated from the original plat. Random traverses were run along the boundary lines as necessary for internal monumentation and for boundary line posting. Witness corners were set as close as practicable to the high water mark of the reservoir to define the section and boundary lines. Subdivisional monuments were set radially from control points on the random traverses. Boundary lines between National Forest and private lands were established by offsets from the random traverses.

Field notes and calculation sheets of this survey are on file in this office, and with the Survey Officer, Fremont National Forest. Aerial photos identifying corners are on file with the Fremont National Forest.

GENERAL NOTES - Equipment used in this survey included a TOPCON GTS-2, and a 100 foot steel chain. Traverses consist of closed loops which were adjusted by balancing angles and applying the Compass Rule method of adjustment. Aluminum monuments set in this survey consist of a 2¼" aluminum cap with magnet riveted to a 2¼" aluminum pipe 30" long with a flared base. Directions to bearing trees are based on the solar observations used to establish directions of lines in this survey. All bearing trees marked in this survey have a 3/4" brass washer marked "LS 1918" attached to the BT blaze. Measurements to all bearing trees in this survey were made to the
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center of the tree. Bearing trees have blazes and bands painted red and appropriate Forest Service signs attached. In the Corner Notes, Ponderosa Pine is abbreviated P. Pine and Lodgepole Pine is abbreviated L. Pine. All corners set during this survey have a 6 foot steel fence post driven approximately 3 feet away with appropriate Forest Service signs attached. Boundary lines are marked with steel fence posts with Property Boundary signs, and were cleared and blazed. Blazes on trees are marked with red paint.

CORNER NOTES

A  Found a 2½" brass cap on iron pipe in a mound of stone.  T30S R14E
   A 5" Juniper bears N 69°-3'40" E, 45.9 ft (rec N 70°40' E, 69"
      1ks), scribed 1/4S16BT, with washer "PLS 1067".  1/4
      S171S16
      1981
      PLS 1067

B  Found a 3" brass cap on iron pipe in a mound of stone.  T30S R14E
   A 9" Juniper bears S 21°40' E, 119.2 ft (rec S 20° E, 119.2 ft)
      scribed S20T30R14EBT, with washer "LS 362".  S181S17
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      S191S28
      ORE 362
      1972
   A 9" P. Pine bears S 53° W, 226.2 ft (rec S 55° W, 226.3 ft),
      scribed healed scar, with washer "LS 362".  S20T30R14E
      ORE 362
      1972

C  Found 2½" aluminum monument in a mound of stone for WC.  T30S R14E
   A 11" P. Pine bears S 32-3/4° E, 11.3 ft (rec S 31° E,
      11.3 ft), scribed WC1/16S20BT, with washer "LS 362".  W1/16--
      WC S17
      S20
      1982
      ORLS 362

D  Found 2½" brass cap on iron pipe in a mound of stone.  T30S R14E WM
   A 24" P. Pine bears N 66-3/4° E, 34.1 ft (rec N 68° E, 45.5
      1ks), opened blaze, no scribing visible, "W" nail.  1/4--
      1/4--
      1964 PLS 47
   A 6" Juniper bears S 19½° W, 75.7 ft (rec S 21° W, 75.5 ft),
      scribed 1/4S20BT, with washer "LS 980".  S181S17
      20
      1986
      PLS 980
   A 9" P. Pine bears N 62½° W, 50.2 ft (rec N 61° W,
      50.1 ft), scribed 1/4S17BT, with washer "LS 980".  S181S17

E  Found a 14"x10"x9" stone, no marks visible, in a mound of T30S R14E
    stone. Set a 2½" x 30" aluminum monument 6" in the ground
    in a mound of stone.  S171S16
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    Marked a 13" Juniper N 46°40' E, 172.2 ft, scribed
    S20T30R14ES16BT.  S20T30R14ES16BT
    1986

    Marked a 13" P. Pine N 21° W, 139.7 ft, scribed T30SR14ES17BT.
    T30SR14ES17BT
    1986

    Marked an 8" Juniper S 74-3/4° W, 280.0 ft, scribed
    T30SR14ES20BT.  T30SR14ES20BT
    1986

    Marked a 10" Juniper S 84° W, 173.5 ft, scribed T30SR14ES21BT.
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F  Found a 2¾" aluminum monument in a mound of stone. 
   An 11" P. Pine bears S 30° E, 8.2 ft (rec S 32° E, 8.0 ft),
   scribed 1/4S21BT, with washer "PLS 820".
   A 10" P. Pine bears N 51° E, 35.8 ft (rec N 50° E, 35.5 ft),
   scribed 1/4S16BT, with washer "PLS 820".
   T30S R14E  S16
   1/4---+++---
   1984
   PLS 820
   S21

G  Found a 2¾" x 30" aluminum monument in a mound of stone.
   A 9" P. Pine bears N 330° W, 12.9 ft, scribed N1/16S19BT,
   with washer "LS 1918".
   A 5" P. Pine bears N 68° E, 30.9 ft, scribed N1/16S20BT,
   with washer "LS 1918".
   T30S R14E  N1/16
   S19:S20
   1986
   PLS 1918
   PLS 1918

H  Set a 2¾" x 30" aluminum monument 10" in the ground in a
   mound of stone.
   Marked an 8" P. Pine S 86° E, 107.5 ft, scribed NW1/16S20BT.
   Marked a 10" P. Pine N 84° E, 61.3 ft, scribed NW1/16S20BT.
   T30S R14E
   NW1/16:S20
   1986
   PLS 1918

I  Set a 2¾" x 30" aluminum monument 14" in the ground in a
   mound of stone.
   Marked an 8" Juniper N 72° E, 58.5 ft, scribed CN1/16S20BT.
   Marked an 8" Juniper N 76-3/4° W, 46.8 ft, scribed
   CN1/16S20BT.
   T30S R14E
   CN1/16S20BT
   C

J  Found a 2¾" aluminum monument in a mound of stone.
   An 8" P. Pine bears S 34° E, 130.7 ft (rec S 34° E, 198.5
   1ks), scribed 1/4S20BT, with washer "PLS 820".
   A 12" P. Pine bears N 16-3/4° W, 45.8 ft (rec N 17° W, 69.5
   ft), scribed 1/4S19BT, with washer "PLS 820".
   T30S R14E
   1/4
   S19:S20
   1986
   PLS 820

K  Set a 2¾" x 30" aluminum monument 8" in the ground for WC.
   Marked an 8" P. Pine N 16° E, 174.1 ft, scribed X BT.
   Marked a 7" P. Pine S 71-3/4° E, 98.5 ft, scribed X BT.
   T30S R14E
   WC
   C1/4:S20
   PLS 1918
   1986

L  Found a mound of stone. Set a 2¾" x 30" aluminum monument 8"
   in the ground in a mound of stone. A fence corner (South and
   West) lies S 2026° E, 125.6 ft.
   Marked a 12" Juniper S 54° E, 279.4 ft, scribed 1/4S21BT.
   No other suitable trees within range.
   T30S R14E
   1/4
   S20:S21
   1986
   PLS 1918

M  Set a 2¾" x 30" aluminum monument 10" in the ground in a
   mound of stone for WC.
   Marked a 7" P. Pine S 5-3/4° E, 16.7 ft, scribed X BT.
   Marked a 9" P. Pine N 39° E, 31.2 ft, scribed X BT.
   T30S R14E
   WC S20:S21
   S29:S28
   PLS 1918
   1986
N  Found a 24" aluminum monument projecting 14" above the ground.  
A 4" L. Pine bears N 23-3/40° E, 47.8 ft (rec N 220° E, 72 1ks), scribed X BT, with washer "LS 1067".  
A 6" L. Pine bears S 36°40 E, 53.0 ft (rec S 35° E, 80 1ks), scribed T30SR14ES30BT, with washer "LS 1067".  
A 5" L. Pine bears S 36° W, 23.5 ft (rec S 31° W, 34 1ks), scribed T30SR13ES25BT, with washer "LS 1067".  
A 4" L. Pine N 60°40 W, 26.7 ft (rec N 60° W, 40 1ks), scribed T30SR13ES24BT, with washer "LS 1067".  

O  Found a 24" aluminum monument approximately 20 ft South of the high water mark of Thompson Reservoir. No references.  

P  Set a 2½" x 30" aluminum monument 6" in the ground in a mound of stone for WC.  
Marked a 7" P. Pine N 150° E, 73.7 ft, scribed X BT.  
Marked a 5" P. Pine S 30° E, 99.1 ft, scribed X BT.  

Q  Set a 2½" x 30" aluminum monument 14" in the ground in a mound of stone.  
Marked a 6" P. Pine N 30° E, 39.5 ft, scribed W1/16S21BT.  
Marked a 6" P. Pine S 45° E, 18.5 ft, scribed W1/16S28BT.  

R  Found a 14"x12"x10" stone, no marks visible, in a mound of stone. Set a 2½" x 30" aluminum monument 18" in the ground in a mound of stone.  
Marked a 6" P. Pine N 28° E, 43.0 ft, scribed 1/4S21BT.  
Marked a 6" P. Pine S 17° W, 17.9 ft, scribed 1/4S28BT.  

S  Found a 3¼" BLM brass cap on iron pipe in a mound of stone.  
A 31" P. Pine, original, bears N 19-3/40° E, 31.3 ft (rec N 210° E, 47 1ks), scribing visible in partly healed blaze.  
A 7" P. Pine bears S 18° E, 33.1 ft (rec S 170° E, 50.5 1ks), partly healed blaze, scribing visible.  
A 16" P. Pine bears N 32° W, 52.5 ft (rec N 31° W, 79 1ks), partly healed blaze, scribing visible.
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T  Set a 2½" x 30" aluminum monument 10" in the ground in a
    mound of stone for WC.
    Marked a 7" P. Pine N 76° W, 36.3 ft, scribed X BT.
    Marked a 6" P. Pine S 19-3/4° W, 20.6 ft, scribed X BT.

U  Set a 2½" x 30" aluminum monument 20" in the ground in a
    mound of stone for WC.
    Marked a 5" P. Pine N 68° W, 99.0 ft, scribed X BT.
    Marked a 9" P. Pine S 39° E, 63.8 ft, scribed X BT.

V  Set a 2½" x 30" aluminum monument 10" in the ground in a
    mound of stone for WC.
    Marked an 11" P. Pine N 32¼° E, 30.0 ft, scribed X BT.
    Marked a 6" P. Pine S 38¼° E, 9.4 ft, scribed X BT.

W  Found a 3¾" BLM brass cap on iron pipe in a mound of stone.
    An 11" L. Pine bears N 140° W, 9.1 ft (rec N 90° W, 13.5 lks),
    scribed 1/4S2SBT.
    A 10" L. Pine bears N 50½° E, 13.8 ft (rec N 56° E, 21 lks),
    scribed 1/4S3SBT.

X  Set a 2½" x 30" aluminum monument 22" in the ground.
    No suitable bearing trees within range.

Y  Set a 2½" x 30" aluminum monument 22" in the ground in a
    mound of stone.
    Marked a 7" P. Pine N 44° W, 29.8 ft, scribed C1/4S2SBT.
    Marked an 8" P. Pine S 81¼° E, 38.8 ft, scribed C1/4S2SBT.

Z  No evidence of the original corner found. At the proportional
    position set a 2½" x 30" aluminum monument at ground level
    and erected a mound of stone around the monument.
    Marked a 9" Juniper N 82-3/4° W, 184.4 ft, scribed 1/4S2SBT.
    Marked a 7" Juniper S 8½° E, 165.1 ft, scribed 1/4S2SBT.
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AA Found a 3\%4" BLM brass cap on iron pipe in a mound of stone. Base of a pine, original, down and dead, bears N 55\%0 W, 27.6 ft (rec N 55\%0 W, 32 lks). A 6" P. Pine bears N 28\%0 W, 30.8 ft (rec N 17\%0 W, 45 lks), scribed T30SR13ES25BT. A 7" P. Pine bears N 82\%0 E, 40.8 ft (rec N 84\%0 E, 47.9 ft), scribed T30SR14ES30BT, with washer "LS 1664". An 8" P. Pine bears S 31\%0 E, 14.4 ft (rec S 29\%0 E, 22 lks), healed scar. A 13" P. Pine bears S 76-3/40 W, 26.0 ft (rec S 78\%0 W, 39.5 lks), healed scar.

AB Set a 2\%2 x 30" aluminum monument 22" in the ground in a mound of stone. An existing 3/4" pipe lies S 17\%37' W, 1.15 ft. Marked a 6" P. Pine N 19° W, 17.4 ft, scribed W1/16S30BT. Marked a 6" P. Pine S 27-3/40 W, 14.2 ft, scribed W1/16S31BT.

AC Found a 2\%2 x 30" aluminum monument in a mound of stone. A 9" P. Pine bears S 56\%0 W, 31.5 ft (rec S 57\%0 W, 48 lks), scribed 1/4S31BT, with washer "PLS 820". A 14" P. Pine bears N 30\%0 E, 67.5 ft (rec N 32\%0 E, 103 lks), scribed 1/4S30BT, with washer "PLS 820".

AD Found a 2\%2 x 30" aluminum monument in a mound of stone. A 37" P. Pine, original, bears S 41\%0 W, 59.5 ft (rec S 41\% W, 88 lks), scribing visible in partly healed scar. An 11" P. Pine bears S 67\%0 W, 109.9 ft (rec S 69\% W, 166 lks), scribed T30SR14ES31BT, with washer "PLS 820". A 6" P. Pine bears N 84\%0 W, 16.9 ft (rec N 84\%0 W, 26 lks), scribed T30SR14ES30BT, with washer "PLS 820". An 8" P. Pine bears N 37° E, 50.8 ft (rec N 39\%0 E, 77 lks), scribed T30SR14ES29BT, with washer "PLS 820". A 10" P. Pine bears S 29\%0 E, 34.8 ft (rec S 33\%0 E, 55.5 lks), scribed T30SR14ES32BT, with washer "PLS 820".

AE Found a 2\%2 brass cap on iron pipe in a mound of stone. A 10" P. Pine bears S 50\%0 E, 30.6 ft (rec S 50\%0' E, 30.6 ft), scribed 1/4S33BT, with washer "LS 744". A 6" Juniper bears N 42\%0 E, 30.2 ft (rec N 42\%0' E, 30.1 ft), scribed 1/4S28BT, with washer "LS 744".

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AG Found a 3⁄4" BLM brass cap on iron pipe in a mound of stone.
A 23" P. Pine bears S 23°0 E, 76.6 ft (rec S 21°0 E, 116 lks),
healed scar.
A 17" P. Pine bears S 27-3/4° W, 111.3 ft (rec S 30° W, 169
lks), healed scar.

REGISTERED
PROFESSIONAL
LAND SURVEYOR

OREGON
JULY 16, 1980
TYLER B. PARSONS
1918

FILED
IN THE OFFICE OF THE
LAKE COUNTY SURVEYOR
THIS 14TH DAY OF JULY, 1986.

COUNTY SURVEYOR

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