

NARRATIVE TO ACCOMPANY PLAT

The purpose of this survey is to mark boundary lines between National Forest Land and privately owned land in Section 38, T 18 S, R 31 E, W.M. This survey was performed at the request of U.S.D.A, Forest Service, Malheur National Forest under Contract No. 53-04H1-7-4011, Sun Cadastral Survey.

HISTORY - The original survey of the west line of T 18 S, R 31 E was performed by W.H. Byars in 1973 under Contract No. 197. A retracement of this line and subdivision of T 18 S, R 31 E was performed by Moore and Thompson in 1981 under Contract No. 382. In July 1988, Michael Spears, the County Surveyor, performed a survey tying to the east quarter section corner and the northeast corner of Section 38, and the northeast corner of Section 18, in order to reestablish the northeast corner of Section 19. In 1985, the northwest corner was remonumented from original evidence and the west quarter section corner was reestablished by single proportion by Douglas Ferguson in CS 919. At the same time, the north sixteenth corner on the west line of the section was established. There were no other surveys of record found which relate to Section 38.

SURVEY - Basis of bearings is a solar observation taken at the northwest corner of Section 38. A closed loop random traverse was run around the exterior of the section as required for subdivision, tying to the existing monuments shown. Closed loop random traverses were also run from the vicinity of the northeast corner of Section 38, North to the vicinity of the northeast corner of Section 18, and continuing North to the northeast corner of Section 6 (not shown in this survey). All intermediate corners along these lines were searched without success. A closed loop random traverse was also run East from the vicinity of the northeast corner of Section 38 to the found northeast corner of Section 29, the north quarter corner being searched without success. Additional traverses were run through the interior of the section, generally along the property boundary lines, for posting and internal monumentation purposes. Survey and subdivision of the section was conducted according to the original government notes and plat, and in accordance with the principles outlined in the Manual of Surveying Instructions, 1973. The acreage of each of the Government Lots in Section 38 shown on the original 1881 GLO plat appear to have been calculated using 20 chains for the distance along the Range line, and ignoring the irregular boundary found by Moore during his 1881 retracement. I have established the CWI/16th corner at a position which is proportionally consistent with the acreage shown on the original plat.

A large stump was found in the vicinity of the northeast corner of Section 38 and is thought possibly to be the remains of the only original bearing tree. Due to the extent of decay of this stump and lack of visible marks, and other stumps in the area, it was considered insufficient evidence to reestablish the corner position.

A mound of stone and record size stone in the vicinity of the northeast corner of Section 18 is the best available evidence of the original corner, based on a reasonable fit with found corners to the North and South, a very old fence intersection, and a very close fit with a topog call 5 chains to the South.

In the vicinity of the east quarter corner of Section 38, two trees were found which match the original BT pattern nearly perfectly. One of the trees was extensively burned, the other cut low but a chopped out face was visible. The 1988 survey found the BTs but not the original stone. I accepted these trees as the best evidence of the original corner position since they fit with the found to the corner to the South, and bear the proper record relationship to one another.

Monuments for new corners were set radially from points on the previously established control traverses. True property boundary lines were determined by measuring offsets from the control traverse lines.

A fence line runs along the general alignment of the boundary line posted in this survey, varying from approximately 20 feet on National Forest Land at the CWI/16th corner to approximately 100 feet on National Forest Land at the east quarter section corner. No other obvious trespass was noted.

Notes for this survey are contained in Field Books 4 and 7, Sun Cadastral Survey. Field notes and calculation sheets of this survey are on file in this office, and with the Survey Officer, Malheur National Forest.

GENERAL NOTES - Equipment used in this survey included a TOPCON GTS-2, Berger 38" transit, 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. Bearings of lines shown on the plat were derived by plane survey techniques, and have not been adjusted to compensate for convergence of meridians. Aluminum monuments set in this survey consist of an aluminum cap with magnet, riveted to a 2-1/2" aluminum pipe 28" long with a flared base. Directions to bearing trees are based on the solar observation used to establish directions of lines in this survey. All bearing trees marked in this survey have a 3/4" brass washer marked "PLS 1918" attached to the BT blaze. Measurements to all bearing trees in this survey were made to the center of the tree, except where specifically noted that the measurement was made to the face. 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. Unless otherwise noted, pine refers to Ponderosa or Yellow Pine. Record bearing tree information is denoted by (). All corners set during this survey have a 6 foot steel guard post driven approximately 3 to 5 feet away with appropriate Forest Service signs attached. Boundary lines are marked with steel fence posts with Property Boundary signs.

CORNER NOTES

J-5
In the vicinity of the expected corner position, I found a very old mound of stone with an 18x10x8 (18x10x10) stone, no visible marks at the intersection of an old fence line. This position fits very well with a creek call 5 chains South and with other corners found to the North and South. Set a 2-1/2x28" aluminum monument 16" in the ground in a mound of stone.
I establish new bearing trees:
A 9" Juniper bears S 66-3/4° E, 183.4 ft, scribed T10SR31ES17BT.
A 20" Juniper bears N 73-1/2° W, 82.1 ft, scribed T10SR31ES7BT.

T10S R31E
S71S8

S181S17
PLS1918
1988

L-5
East quarter corner, Section 18. Searched, nothing found.

N-5
Northeast corner, Section 19. Searched, nothing found.

P-5
East quarter corner, Section 19. Searched, nothing found.

R-1
Found a 3-1/4" aluminum monument in a mound of stone (CS 919).
A 18" Juniper bears S 48-1/2° W, 12.9 ft (S 63° W, 13.0 ft) scribed T10SR38ES25BT.
A 10" P.Pine bears N 71° W, 55.6 ft (N 78° W, 55.6 ft), scribed T10SR38ES24BT.
A 15" P.Pine bears N 18-1/2° E, 78.0 ft (N 28° E, 78.3 ft), scribed T10SR31ES19BT.
A 15" P.Pine bears S 77-1/2° E, 62.7 ft (S 77-1/2° E, 63.2 ft), scribed T10SR31ES38BT.

T10S
R38E R31E
S241S19

S251S30
1985
PLS848

R-3
Found no evidence of the original corner. I reestablish this corner by single proportion. Set a 2-1/2x28" aluminum monument 18" in the ground in a mound of stone.
I establish new bearing trees:
A 7" Fir bears S 58-3/4° E, 30.6 ft, scribed 1/4S38BT.
A 10" Fir bears N 9-1/4° W, 8.5 ft, scribed 1/4S19BT.

T10S R31E
S19
1/4-----
S38
PLS1918
1988

R-5
Found no evidence of the original monument or bearing tree. I reestablish this corner by double proportion. Set a 2-1/2x28" aluminum monument 16" in the ground in a mound of stone.
I establish new bearing trees:
An 18" P.Pine bears S 81-3/4° E, 26.6 ft, scribed T10SR31ES29BT.
A 13" P.Pine bears N 7-1/4° E, 23.6 ft, scribed T10SR31ES28BT.
A 16" P.Pine bears N 59-1/4° W, 36.4 ft, scribed T10SR31ES19BT.
An 18" P.Pine bears S 19-3/4° W, 28.6 ft, scribed T10SR31ES38BT.

T10S R31E
S191S20

S381S29
PLS1918
1988

R-7
North quarter corner, Section 29. Searched, nothing found.

R-9
Found a 14x10x5 (14x10x5) stone, 2 notches on the South side, 4 notches on the East side, at the intersection of a North/South fence and a remnant fence East. Set a 2-1/2x28" aluminum monument 16" in the ground in a mound of stone and buried the original stone on the South side.
I establish new bearing trees:
A 16" P.Pine bears N 48-1/2° W, 21.5 ft, scribed T10SR31ES28BT.
A 16" P.Pine bears S 62-3/4° W, 34.8 ft, scribed T10SR31ES29BT.
A 15" P.Pine bears S 48-3/4° E, 63.0 ft, scribed T10SR31ES28BT.
An 18" P.Pine bears N 47° E, 10.3 ft, scribed T10SR31ES21BT.

T10S R31E
S281S21

S291S28
PLS1918
1988

S-1
Found a 3-1/4" aluminum monument in a mound of stone (CS 919).
A 25" Fir bears S 47-1/2° W, 36.4 ft (S 49° W, 36.1 ft), scribed N1/16S25BT.
A 6" Juniper bears S 82-1/4° E, 32.7 ft (S 83° E, 33.4 ft), scribed N1/16S38BT.

T10S
R38E R31E
N1/16
S251S30
1985
PLS848

S-2
Set a 2-1/2x28" aluminum monument 22" in the ground in a mound of stone.
I establish new bearing trees:
A 10" Fir bears N 54-1/4° E, 45.9 ft, scribed N1/16S38BT.
An 11" Fir bears S 27° E, 22.7 ft, scribed N1/16S38BT.

T10S R31E
N1/16

S38
PLS1918
1988

T-1
Found a 3-1/4" aluminum monument (CS 919).
An 8" Fir bears S 68-1/4° E, 7.5 ft (S 56° E, 7.5 ft), scribed 1/4S38BT.
An 11" Fir bears N 23-3/4° W, 6.6 ft (Tanarak, N 28° W, 6.7 ft), scribed 1/4S25BT.

T10S
R38E R31E
1/4
S251S30
1985
PLS848

T-2
Set a 2-1/2x28" aluminum monument 22" in the ground.
I establish new bearing trees:
A 7" L.Pine bears S 53-1/2° W, 36.2 ft, scribed CWI/16S38BT.
A 9" Larch bears N 19-1/4° E, 27.2 ft, scribed CWI/16S38BT.

T10S R31E
W1/16
C-----
S38
PLS1918
1988

T-3
Set a 2-1/2x28" aluminum monument 28" in the ground in a mound of stone.
I establish new bearing trees:
A 7" Fir bears S 33-3/4° E, 29.0 ft, scribed C1/4S38BT.
An 8" Fir bears S 67° W, 40.9 ft, scribed C1/4S38BT.

T10S R31E
C1/4

S38
PLS1918
1988

T-5
In the vicinity of the expected corner position I found a burned snag and a stump which closely match the record distance and direction of the original bearing trees. Found no evidence of the original stone. I reestablish the corner position at record distance from the two trees. Set a 2-1/2x28" aluminum monument 18" in the ground in a mound of stone. An old remnant fence intersection bears S 52° W, 84 feet.
A 17" burned Pine snag bears N 27-1/2° W, 44.9 ft (N 25° W, 48 lks), no marks.
A 27" Pine stump bears N 39-1/4° E, 66.0 ft (N 40° E, 100 lks), chopped out face.
I establish new bearing trees:
A 5" Juniper bears S 86-1/2° W, 8.5 ft, scribed 1/4S38BT.
A 13" Juniper bears N 55-3/4° E, 52.4 ft, scribed 1/4S19BT.

T10S R31E
1/4
S381S19
PLS1918
1988

V-3
Found no evidence of the original post. I reestablish this corner at record distance and direction from the nearest of the original bearing trees. Set a 2-1/2x28" aluminum monument 28" in the ground in a mound of stone.
A 14" P.Pine bears South 2.0 ft to face (South 3 lks), BT visible in the lower blaze which faces Northwest.
A deteriorated stump bears N 82-1/4° W, 40.8 ft to center (N 83° W, 65 lks).
I establish new bearing trees:
A 18" Fir bears N 58-1/4° E, 49.0 ft, scribed 1/4S38BT.
A 13" Fir bears S 56-1/2° W, 54.4 ft, scribed 1/4S31BT.

T10S R31E
1/4-----
S31
PLS1918
1988

V-5
Found a 15x10x5" stone, no visible marks, in a mound of stone. The position of this mound fits well with found corners to the North and West. Set a 2-1/2x28" aluminum monument 16" in the ground in a mound of stone and buried the original stone on the North side.
I establish new bearing trees:
An 8" Juniper bears S 63° W, 71.7 ft, scribed T10SR31ES31BT.
An 11" Fir bears S 49-1/4° E, 142.2 ft, scribed T10SR31ES32BT.
An 11" Juniper bears N 17-3/4° E, 98.0 ft, scribed T10SR31ES29BT.

T10S R31E
S381S29

S311S32
PLS1918
1988



RECORD OF SURVEY
for the
U.S. FOREST SERVICE
Malheur National Forest
Sec. 38, T10S, R31E, W.M.
Grant County, OR
Sun Cadastral Survey
Cont. No. 53-04H1-7-4011
November 25, 1988
PARSONS SURVEYING
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Job No. 8722JA

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FILED
FEB 7 1989

OFFICE OF COUNTY SURVEYOR
T. J. WILSON

Sheet 2 of 2

MAP OF SURVEY NO. 1067