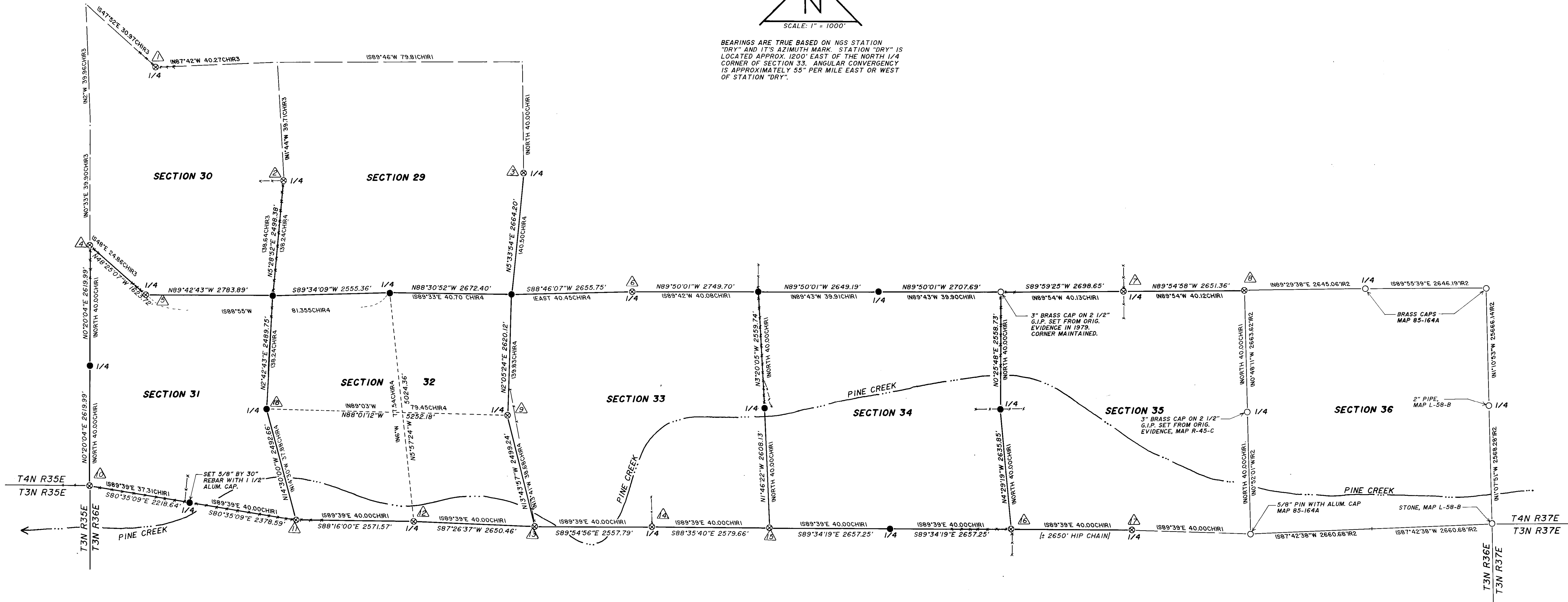


SCALE: 1" = 1000'

BEARINGS ARE TRUE BASED ON NGS STATION "DRY" AND ITS AZIMUTH MARK. STATION "DRY" IS LOCATED APPROX. 1200' EAST OF THE NORTH 1/4 CORNER OF SECTION 33. ANGULAR CONVERGENCY IS APPROXIMATELY 55" PER MILE EAST OR WEST OF STATION "DRY".



LEGEND

- ⊗ - REMONUMENTED CORNER BASED ON ACCEPTABLE ORIGINAL, OR EXISTING PHYSICAL AND COLLATERAL EVIDENCE. SEE CORNER RECORD FILED SEPARATELY. SET 2 1/2" BRASS CAP ON 1 1/2" BY 30" G.I.P. UNLESS OTHERWISE NOTED.
- - EXISTING CORNER MONUMENT AS SHOWN IN COUNTY RECORDS.
- - REESTABLISHED CORNER BY SURVEY, SEE CORNER RECORD FILED SEPARATELY. SET 2 1/2" BRASS CAP ON 1 1/2" BY 30" G.I.P. UNLESS OTHERWISE NOTED.
- OXIR1 - GLO RECORD FROM ORIGINAL 1866 SURVEY.
- OXIR2 - RECORD FROM COUNTY SURVEY NO. 85-164A.
- OXIR3 - RECORD FROM COUNTY SURVEY NO. 46, 11889.
- OXIR4 - RECORD FROM COUNTY SURVEY NO.95, 11897.
- - - FENCE LINES (APPROXIMATE LOCATION).
- △ - SEE NOTE KEYED TO NUMBER.

HISTORY OF SURVEYS

TOWNSHIP EXTERIORS OF TWP.4 NORTH, R6E.36 EAST, W.M., WERE SURVEYED BY ODELL AND LEWIS, U.S. DEPUTY SURVEYORS, UNDER CONTRACT NO. 110, DATED FEBRUARY 7, 1865.

SUBDIVISION LINES OF TWP.4 NORTH, R6E.36 EAST, W.M., WERE SURVEYED BY WILLIAM H. ODELL, U.S. DEPUTY SURVEYOR, UNDER CONTRACT NO.114, DATED JULY 2, 1866.

ALSO OF ASSISTANCE ARE THE FOLLOWING SURVEYS PERFORMED BETWEEN 1878 AND 1897. THE FIELD NOTES OF THESE SURVEYS ARE IN RECORD OF PRIVATE SURVEYS, BOOKS 1 AND 2, LOCATED IN THE COUNTY SURVEYOR'S OFFICE.:

DATE	COUNTY SURVEY NO.	SURVEYED BY	SURVEY LOCATED IN
1878	1	SIMMONDS	SECTIONS 30 & 31
	5	COFFEY	SECTION 29
1882	6	COFFEY	SECTION 30
1882	7	COFFEY	SECTION 30
1885	7	ARNOLD	SECTION 26
1888	34	ARNOLD	SECTION 27
1889	46	ARNOLD	SECTION 30
1890	47	ARNOLD	SECTION 30
1897	95	J. KIMBRELL	SECTION 32

RECENTLY RECORDED SURVEYS (SINCE 1974), WHICH ARE OF ASSISTANCE INCLUDE SURVEY NUMBERS L-58-B, R-45-C, S-104-B, 84-30-B, AND 85-164A.

NOTES

- △ FOUND MARKED STONE PER CO. SURVEY NO. 46, 11889.
- △ ACCEPTED FENCE CORNER AS BEST REMAINING EVIDENCE OF THE ORIGINAL 1/4 CORNER LOCATION.
- △ FOUND ORIGINAL BEARING TREE STUMP.
- △ ACCEPTED MOUND OF STONE AT FENCE CORNER AS BEST REMAINING EVIDENCE OF THE ORIGINAL CORNER LOCATION.
- △ FOUND ORIGINAL BEARING TREE STUMP AND MARKED STONE PER CO. SURVEY NO. 46, 11889.
- △ FOUND ORIGINAL PON. PINE BEARING TREE STILL LIVING.
- △ REESTABLISHED CORNER AT THE INTERSECTION OF OLD EAST-WEST COUNTY ROAD BED AND THE SOUTHERLY PROJECTION OF AN OLD FENCE RUNNING NORTH FROM THE ROAD BED. SEE CO. SURVEY NO. 7, 11885.
- △ FOUND AND ACCEPTED 1" ROUND IRON BAR AS SHOWN ON OLD STATE HIGHWAY MAPS.
- △ FOUND MOUND OF STONE AND REMAINS OF OLD POST AND RAIL FENCE - SEE CO. SURVEY NO. 95 11897.
- △ FOUND MARKED STONE PER CO. SURVEY NO. 46, 11889.
- △ FOUND UPROOTED ORIGINAL BEARING TREE.
- △ FOUND ORIGINAL BEARING TREE SNAG.
- △ FOUND REMAINS OF ORIGINAL BEARING TREE.
- △ FOUND REMAINS OF UPROOTED ORIGINAL BEARING TREE.
- △ REESTABLISHED CORNER POSITION AT INTERSECTION OF CENTERLINES OF COUNTY ROAD RUNNING EAST-WEST AND SOUTHWEST.
- △ ACCEPTED FENCE CORNER AS BEST REMAINING EVIDENCE OF ORIGINAL CORNER LOCATION.
- △ FOUND UPROOTED ORIGINAL BEARING TREE.
- △ FOUND MARKED ORIGINAL STONE LYING LOOSE ON HILLSIDE NEAR COMPUTED CORNER POSITION.

SEE NARRATIVE OF SURVEY FILED SEPARATELY

RECEIVED BY
Jmatilla County Surveyor
Date: 7-88
Rec'd by: RW
No: 85-42-C

REGISTERED
PROFESSIONAL
LAND SURVEYOR
William R. Wells
OREGON
MAY 22, 1977
WILLIAM R. WELLS
1106

WILLIAM R. WELLS, PLS
LAND SURVEYING SERVICES
P.O. BOX 1696
PENDLETON, OREGON 97801
PHONE: 503 276 6362

PROJECT:
PUBLIC LAND CORNER
REESTABLISHMENT AND
REMONUMENTATION SURVEY
FOR UMATILLA COUNTY,
LOCATED IN SECTIONS
29 THROUGH 35 T4N R36E WM,
UMATILLA COUNTY, OREGON.

Date: 7-17-88 Dr. By: WRW
Ck. By: WRW No: 7-23

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- PROPERTY SURVEYING
- SUBDIVISION AND PLATTING
- CADASTRAL SURVEYING
- CONSTRUCTION SURVEYING
- TOPOGRAPHIC SURVEYING

REGISTERED PROFESSIONAL LAND SURVEYOR IN OREGON, WASHINGTON, ALASKA & IDAHO

NARRATIVE OF SURVEY
SECTIONS 29 THROUGH 35. T4N. R36E. W.M.

The purpose of this survey was to recover, or reestablish and remonument, certain section and one-quarter section corners in Sections 29 through 35, Township 4 North, Range 36 East, W.M.. The survey work was authorized by the Umatilla Board of County Commissioners and was funded by the County Public Land Corner Monumentation Fund.

This Narrative is a supplement to the survey map and individual land corner records, filed separately in the Umatilla County Surveyor's Office.

The survey was made with a Wild T-16 theodolite and Mac II H infra-red distance meter. Bearings are based on NGS Station "DRY" and it's azimuth mark, as indicated on the survey map. Corner remonumentation measurements were made with staff compass and steel tape. Magnetic declination used was 19° east.

Corner evidence in the project area has been extensively obliterated by farming, grazing and logging over the years. On the corners recovered in Sections 29 through 35, only one live bearing tree exists from the original 1866 survey. Recorded surveys done as early as 1885 have noted that bearing trees marked on the original survey had been cut. Of the original bearing tree remains found on this survey, (stumps, snags, and down trees), all were either ponderosa pine or western larch. Fir trees marked on the original survey were all completely gone.

The original surveyor for the subdivision of the Township in 1866, William Odell, used improper methods in subdividing. All evidence suggests that he ran west along the north lines of Sections 35 through 31, establishing section and one-quarter section corners on the north lines of the sections. He then "stubbed" south to the one-quarter corners one-half mile north of the Township line. This method was most likely used to avoid crossing the steep and rugged Pine Creek Canyon. However, there is evidence to suggest that the line between Sections 35 and 36 and between Sections 33 and 34 may have been run using proper surveying procedures, based on

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old north-south fence lines found in the vicinity of these section lines. The one-quarter corners between Sections 29 and 30 and Sections 28 and 29 were undoubtedly "stubbed" from the north. It is also obvious that the closing one-half mile on the west sides of Sections 30 and 31 were not run by the original surveyor.

Evidence found on the south and west lines of the Township, (surveyed by Odell and Lewis), suggests the south line of the Township was stubbed from east to west, and not surveyed on the random and true line as indicated in the original field notes.

Because of the unusual survey methods used by the original surveyor, reestablishment of some lost corners was made using methods described in the Bureau of Land Management Cadastral Survey Casebook. In areas where original evidence had been completely destroyed, great weight was given to physical improvements such as fences, field lines and roads. Measurements observed on recorded surveys, made when the original corners were still existing were helpful and record measurements or proportioned record measurements were used to reestablish a number of corners.

The land corner records filed separately for each corner on this survey, explain how each missing corner was reestablished.

Note to Surveyors: Study of the Weston Mountain Quadrangle map suggests the original surveyor used improper methods and "stubbed" the subdivision lines on parts or all of the township. Care should be taken to ascertain the original surveyor's survey methods in the area before attempting to reestablish a lost corner.

William R. Wells
William R. Wells
July 27, 1988

REGISTERED
PROFESSIONAL
LAND SURVEYOR

William R. Wells
OREGON
JULY 22, 1977
WILLIAM R. WELLS
1106