

NARRATIVE OF SURVEY

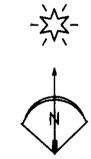
This survey was performed at the request of the Umatilla County Surveyor, Mr. David Krumbein. The purpose of the survey was to re-establish and remonument the original GLO corner positions and provide NAD 83-1991 Oregon State Plane Coordinates on those positions. GPS observations to Tri Stations "Big Hill Reset" and "Pendleton" were adjusted by least squares to obtain the control for this survey.

The GLO record shows that this township was surveyed by William Lewis. The monumentation set by Mr. Lewis was entirely post and pits. Several of the early surveys in the area indicate that the posts were cottonwood which had decayed fairly rapidly. Those same surveys also reveal significant errors in both the chaining and alignment of the original survey. The survey from 1876 by Peter Zahner shows a difference of 6° variation in the magnetic needle between the east and west lines of Section 4. This circumstance could be the source of much of the error if Mr. Lewis was stubbing, which it appears he was.

I performed a survey for Blue Mountain Credit Union (11-127-C) in sections 14 and 23 in November of 2011. That survey should be consulted for much of the corner history along the south line of this project. In that survey I had held a position for the west 1/4 corner of section 14 that was on a straight line between the section corners to the north and south. After further review of the agreement of Kimbrell's record with the actual evidence on the ground, I have calculated a position for the west 1/4 by projecting the line from the C1/4 through the CW1/16th as shown hereon.

In survey 00-226-C a position was calculated for the south 1/4 corner of Section 15 at the intersection of the section line with a fence approximately 1/4 mile south of the corner. This was done without knowledge of the survey by John Arnold (Book 1, Page 170) or taking into consideration the existing fence at the actual corner point. For this survey I held the fence at the actual corner point because of its agreement with the Arnold survey.

For additional information concerning evidence found and accepted and information concerning corners that were proportioned, please see the corner certificates filed with this survey. This survey was performed with a Trimble R7/R8 GPS system with a combination of RTK and Static



NAD 83-1991 COORDINATE LISTING IN INTERNATIONAL FEET

survey procedures.

| COUNDINATE LISTING | | |
|--|--|--|
| IN | INTERNATIONA | L FEET |
| CAAAAAACCCCEEEEEEGGGGJJJJJJLLLLNNNNNCAAAAAAACCCCEEEEEEGGGGJJJJJJLLLLNNNNNNNNNNNNNNNNNNNN | Northing 839156.39 839298.46 839440.90 839481.98 839565.28 839565.28 839565.28 839576.48 836464.64 836913.14 837053.70 833787.87 833844.08 834276.45 834363.16 834449.87 831821.88 834363.16 834363.16 834449.87 831821.88 834363.16 834449.87 831821.88 83463.16 831839.46 | Easting 8759346.1 8762019.2 8762019.2 8762019.2 8762019.2 8762990.2 8762990.1 8775226.2 8769980.1 8775225.5 8769980.1 8762999.5 8762999.5 876299.5 876299.5 876299.5 876299.5 876299.5 876299.5 876299.5 876299.5 876299.5 876299.5 876399.5 877596.5 8775 |

LEGEND

SET 2 3/8" BRASS CAP ON A
1 1/8" x 30" GALVANIZED IRON
PIPE. SEE FILED CORNER
CERTIFICATE

SET A 1" x 24" IRON REBAR WITH A 2" ALUMINUM CAP. SEE FILED CORNER CERTIFICATE.

FOUND BRASS CAP PER SURVEY 09-10-C

FOUND ALUMINUM OR PLASTIC CAP ON A 5/8" IRON REBAR

FROM SURVEY AS NOTED.

FOUND 5/8" IRON REBAR
FROM SURVEY H-113-AX

FOUND EVIDENCE FROM SURVEY R4

O COMPUTED POINT

GLO CONTRACT #110 DATED FEBRUARY 7, 1865 BY WILLIAM ODELL AND WILLIAM LEWIS.

RECORD OF PRIVATE SURVEYS BOOK 1, PAGE 68 (No. 2)

RECORD OF PRIVATE SURVEYS BOOK 1, PAGE 170 (No. 28)

RECORD OF PRIVATE SURVEYS BOOK 1, PAGE 374 (No. 99) RECORD OF PRIVATE SURVEYS BOOK 1, PAGE 393 (No. 100)

RECORD OF PRIVATE SURVEYS BOOK 1, PAGE 397 (Zahner)

COUNTY SURVEY H-113-AX
COUNTY SURVEY 05-51-C

COUNTY SURVEY 05-51-C
COUNTY SURVEY 09-10-C

R10 COUNTY SURVEY 09-44-B R11 COUNTY SURVEY 00-226-C R12 COUNTY SURVEY 11-33-B

R13 COUNTY SURVEY 11-127-C R14 COUNTY SURVEY 11-154-B

PECEIVED BY
Umatilla County Surveyor
Date: 6/5/20/2
Rec'd By: 5. Ges
No.: /2-088-C

SURVEY FOR UMATILLA COUNTY SURVEYOR MR. DAVID H. KRUMBEIN 3920 WESTGATE PENDLETON, OR 97801

LOCATION: NE1/4, T5N, R36E, W.M. UMATILLA COUNTY, OREGON

PROJECT DATE: 03-11 THROUGH 05-12

Project No. 11-22

SCALE: 1" = 1000

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