T. 1 N.   R. 40 E.   W.M.

(N89°40'W   40.06 ch.)   1/4   (N89°40'W   40.06 ch.)

S19 | S20   S89°41'18"E   S20 | S21
S30   2671.36'   2671.36'   S28

Found rock mound built against small rock outcrop, approximately 5 ft. in dia. in N–S fence.

Corner is lost. Using proportionate position. In cultivated area with ditch constructed through.

Found imbedded rock mound, approximately 5 ft. in dia., with charcoal in center. N–S fence is west, 4 ft. verified with tie to topo call to creek south.

(NORTH 40ch.) N50°54"W   2673.70'
N0°41'22"W   2673.33'
(NORTH 40ch.) N0°24'37"W   2672.91'

S. 29

N

BASIS OF BEARING
The true meridian as derived from GPS observations from Control Point #1 to the E. 1/4 cor. of Sec. 29 bearing is N56°23'15"E, NAD 83 datum. Control Point #1 is located 160.98 ft. North and 1254.00 ft. West of the N. 1/4 cor. of Sec. 32,

1/4   S89°41'36"E   S89°41'36"E   S89°41'36"E   1/4
     2663.94'   1329.16'   1329.16'

Accepted long established fence corner, N–S–E.

Accepted long established fence corner E–W–N At north end of ancient fence.

(NORTH 40ch.) N0°10'51"W   2647.22'
N0°41'22"W   1376.96'
N0°15'35"W   1357.05'
(NORTH 40ch.) N0°10'59"E   2674.45'

N89°26'52"E   1318.78'   1318.78'

N0°41'22"W   1376.97'
1357.05'

Control Point #1

(S89°50'W   40.10 ch.)
S87°25'40"E   ▲
2691.39'

S30 | S31
Accepted long established fence corner, E–W–N.

Accepted old rock jack fence corner in ancient fence, E–W–N. Existing E–W fence nailed to trees, bears South ± 30 ft.

S28 | S33

N88°34'31"E   2617.42'
(S89°50'W   40.10 ch.)

N0°23'18"E   1276.51'
N0°01'20"W   1316.23'

Found rock mound with ancient stake, stone fitting record dimension 12x16x18 nearby, no marks on stone. N–S fence bears East 4 ft.

(NORTH 40ch.) N1°55'30"W   2661.11'

S. 32

N89°26'51"E   2625.89'

Found imbedded rock mound, approximately 5 ft. in dia. E–W fence is south, 4.5 ft.

1/4   S89°41'11"E   S89°41'11"E   1/4
     2582.02'   2634.97'

Found SW bearing tree, ancient stump with visible blaze and axe marks. Not remonumented this survey.

N0°23'18"E   2652.05'
(NORTH 40ch.) N0°30'15"W   2657.77'
(NORTH) (40 ch.)
N0°01'20"W   1316.23'

Corner searched for, not found.

T. 1 N.
————
T. 1 S.

S31 | S32
SC
< EAST >   < 40 ch. >

Fd. 2 1/2" dia. alum. monument set from original evidence by Union County Surveyor.

1/4
SC   S89°34'11"E   2676.37'   S32 | S33
                                  SC
     < EAST 40ch. >

Fd. 2 1/2" dia. brass cap monument set from original evidence Co. Survey No. 32–80.

LEGEND

● Set 5/8" dia. by 30" long iron rod with 3 1/2" dia. alum. cap, marked according to BLM Manual of Instructions with additional marking of: LS 51277

○ Found monument or corner evidence as described.

▲ Control Point #1 Set nail in rimrock, near top of hill.

( ) Record distance and bearing from GLO Contract No. 120, dated May 27, 1867 by deputy surveyor William H. Odell.

< > Record distance and bearing from GLO Contract No. 102, dated July 20, 1863 by deputy surveyor Timothy W. Davenport.

———— Boundary lines that were run and posted this survey.

REGISTERED PROFESSIONAL LAND SURVEYOR
OREGON
JULY 13, 1999
PETER C. ELDER
51277
Renewal Date: December 31, 2003

NARRATIVE

The purpose of this survey is to establish and monument a portion of the boundary between the Tucker Estate, represented by Sandra Eckstein, and the Hindman property. The deed descriptions are aliquot parts of Sections 29 and 32 which thereby necessitated the subdivision of both sections.

In reestablishing the corners necessary for subdivision in these sections, I encountered the following particulars. The monumentation on the original GLO survey was minimal with no accessories set at most corners. The field notes were brief and incomplete in reference to the monumentation, with no statement of what marks were set on corner posts, stones or bearing trees. The area has had very little development since the homesteading era. I found original evidence with no accessories for corroborative evidence. The rock mounds I found that were not in fence corners were imbedded, with rocks taken off the top for nearby rock jacks. At the fence corners that fit record position, there was no trace of the original rock mounds, the rocks all being used in the large rock cribs built for the fences. I accept the position of fence corners and fence lines that fit record position, as collateral evidence in the recovery of the original corner positions.

An influential factor in the area contributing to large discrepancies is the powerful local magnetic attraction. There is a large rocky hill in the center of the area that is the southerly end of an extensive ridge. This hill rises to a prominent height and has a large influence on a magnetic compass. This noticeable effect led me to conclude that it was the cause of significant angle points at the positions of some of the corners set in the original GLO survey. Also worth noting, there was much evidence of old survey activity in the interior of these sections. I found several apparent unrecorded 1/16 corners (rock mounds) that fell very close to the corners that I calculated and set. Many of the lines that I ran had been run before at some time in the distant past. I found ancient fence lines along the lines that had not been fenced in recent times.

I did not find any subsequent record surveys in these sections but there were two old record surveys to the west. One of these surveys included corner recovery notes on the west boundaries of the subject sections, and a note of recovery of the 1/4 corner common to Secs. 29 and 32, (Old Survey Vol. P.347). I used this survey as supplemental evidence in acceptance of two fence corners as original corner positions on the west lines of both subject sections and as supporting evidence that the unmarked stone found near the rock mound 1/4 corner common to Secs. 29 and 32 may not have been marked originally. I also accepted two rock mounds on these west lines that had no accessories originally set. They are both along ancient fences and the rock mound corner at the northwest corner of S. 29 is next to an old homestead.

On the east lines of the sections were three old homesteads with remnants of ancient rail fences on the section lines. Parole evidence from Mr. Billy Hindman, lifelong resident and heir, also contributed to reestablishment of these lines. According to Mr. Hindman, his grandfather had been an amateur surveyor and was particular about laying out fence lines. I noticed that fences laid out on this property ran very straight and corner locations fit the record positions very well, as well as being evidenced by ancient fences. To the north and removed from the Hindman property, I found and accepted an embedded rock mound, with pieces of charcoal at the center, as the northeast corner of S.29. This was verified with collateral evidence in the form of a topography call to the creek south.

The north 1/4 corner of Section 29 is lost and proportionate position was used. This area is cultivated with a ditch constructed through the record corner position.

REFERENCES

DEEDS
Deed Book 115, P.436
Microfilm No. 90718
Microfilm No. 146687
Microfilm No. 158193
Microfilm No. 20011443

SURVEYS
County Survey No. 2-86
County Survey No. 32-80
County Survey No. 33-1998
Old Survey Volume P. 244
Old Survey Volume P. 347
GLO Survey Notes and Plats
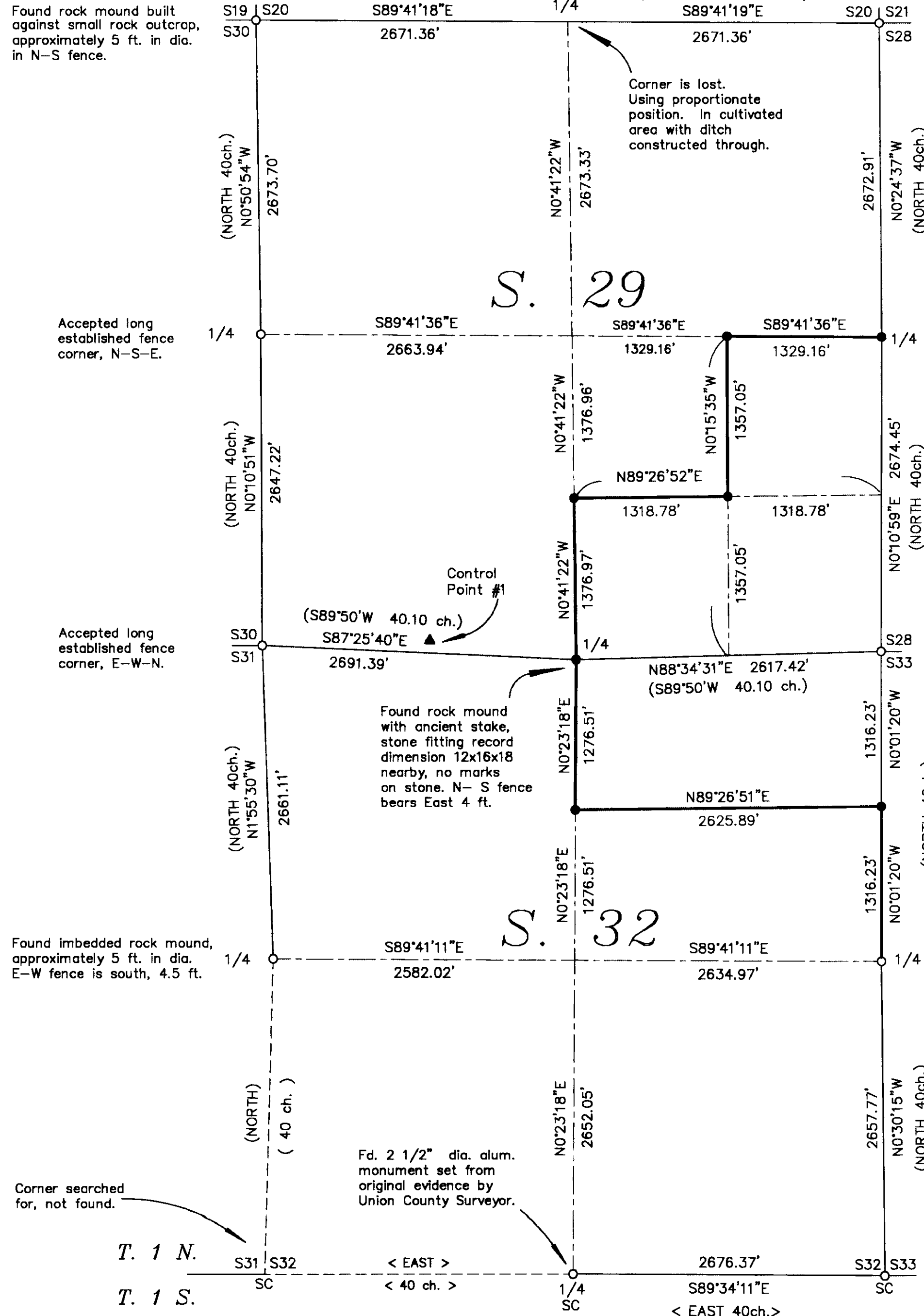Union County Monument Records

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Peter C. Elder Land Surveying
610 16th St.   La Grande   Oregon   (541) 663-0606

Map of Survey
Sections 29 and 32
Township 1 North, Range 40 East, W.M.
Surveyed for: Sandra Eckstein and Billy Hindman

DRAWN BY:	PCE	SCALE:	1" = 800'
PROJECT NO:		DATE:	Dec. 5, 2002
SURVEYED:	Aug. through Oct. 2002	SHEET: 1	OF: 1

Survey No. 045-2002