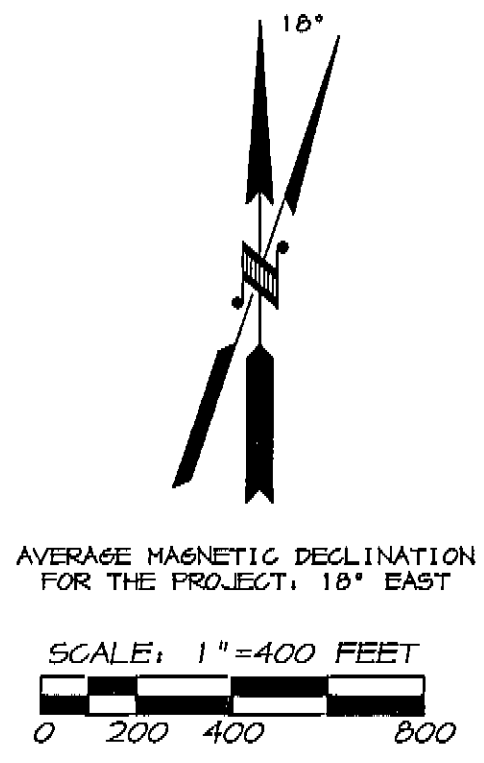


SECTION 35

SECTION 36

RECORD OF SURVEY PLAT
RESERVOIR CADASTRAL SURVEY
CONTRACT NO. 53-04M3-3-0102
SECTION 1 & 2, T 3 S., R 36 E., N.M.
UNION COUNTY, OREGON



BASIS OF BEARING

OREGON NORTH ZONE GRID BEARINGS FROM THE GPS CONTROL SURVEY, ROTATED TO GEODETIC BEARINGS AT THE MONUMENTED SECTION CORNER COMMON SECTIONS 35 & 36, T. 3 S., R. 36 E., AND SECTIONS 1 & 2, T. 3 S., R. 36 E., N.M. LATITUDE 45° 20' 27.56241" N. LONGITUDE 118° 15' 44.55212" N. OREGON NORTH ZONE COORDINATES (INTERNATIONAL FEET): N 618379.934 E 8771961.719 THETA 1° 35' 13" AS DETERMINED BY 6 P.S. OBSERVATION GRID TO GROUND DISTANCE CONVERSIONS WERE BASED ON AN AVERAGE PROJECT ELEVATION OF 3400 FEET. NOTE: DISTANCES SHOWN ARE GROUND DISTANCES. TO CONVERT DISTANCES SHOWN TO GRID DISTANCES USE A COMBINED (GRID AND ELEVATION) SCALE FACTOR OF .999796638

HISTORY OF SURVEYS

T 3 S., R 36 E., N.M. WAS ORIGINALLY SURVEYED AND SUBDIVIDED BY JOHN A. HURLBERT UNDER CONTRACT NUMBER 201, DATED AUGUST 5, 1873. THE N 1/4 AND THE N.E. CORNERS OF SECTION 2 WERE RE-MONUMENTED BY A. JOSEPH GARRISON UNDER BLM GROUP NUMBER 350, DATED MAY 3, 1957, FROM ORIGINAL EVIDENCE. THE NORTH LINE OF THE N.E. 1/4 OF SECTION 2 AND THE NORTH LINE OF THE N.W. 1/4 OF SECTION 1 WERE SURVEYED BY DUANE I. GRIFFITH, L.S. 644, IN 1989, PER RECORD SURVEY NUMBER 11-84, UNION COUNTY SURVEYOR. THE S 1/4 & N 1/4 CORNERS OF SECTION 2, WERE RE-ESTABLISHED BY DUANE I. GRIFFITH, L.S. 644, IN 1942, PER RECORD SURVEY NUMBER 028-1942. THE E 1/16 CORNER COMMON TO SECTIONS 2 & 11 WAS SET BY DUANE I. GRIFFITH PER RECORD SURVEY NUMBER 028-1942. THE SECTION CORNER COMMON TO SECTIONS 1, 2, 11 & 12 WAS RE-MONUMENTED BY DUANE I. GRIFFITH, L.S. 644, IN 1949, FROM ORIGINAL EVIDENCE, FROM ORIGINAL EVIDENCE, PER RECORD SURVEY NUMBER 028-1942, UNION COUNTY SURVEYOR. THE N 1/4 CORNER OF SECTION 1 WAS RE-MONUMENTED BY DUANE I. GRIFFITH, L.S. 644, IN 1984, FROM ORIGINAL EVIDENCE AS PER RECORD SURVEY NUMBER 11-84, UNION COUNTY SURVEYOR. THE S.E. CORNER AND THE E 1/4 CORNER OF SECTION 1 WERE RE-MONUMENTED BY DUANE I. GRIFFITH, L.S. 644, IN 1989 FROM ORIGINAL EVIDENCE, SEE RECORD SURVEY NUMBER 028-1949, UNION COUNTY SURVEYOR.

FIELD NOTE REFERENCE:
BOOK 1 AND BOOK 1A, OF THE RESERVOIR CADASTRAL SURVEY.

SURVEYOR'S CERTIFICATE

I, WILLIAM R. WELLS, A REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF OREGON, DO HEREBY CERTIFY THAT THIS PLAT, AND THE CORNER RECORDS FILED SEPARATELY, ARE A CORRECT REPRESENTATION OF THE SURVEY PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION DURING THE MONTHS OF JUNE, 1994 THRU DECEMBER, 1995 AT THE REQUEST OF THE USDA, FOREST SERVICE, AND IN CONFORMANCE WITH THE CONTRACT. THIS CERTIFICATION APPLIES TO THIS PLAT, AND THE CORNER RECORDS FILED SEPARATELY.

REGISTERED PROFESSIONAL LAND SURVEYOR
William R. Wells
OREGON
JULY 22, 1977
WILLIAM R. WELLS
1108
RENEWS 6/30/98

William R. Wells
WILLIAM R. WELLS, RPLS
OREGON LICENSE No. 1106

EXAMINED AND ACCEPTED FOR THE U.S. FOREST SERVICE THIS 26 DAY OF JUNE, 1996. *Roger Deen*, COR

I CERTIFY THAT THIS SURVEY WAS PERFORMED AT THE REQUEST OF THE WALLAWA WHITMAN NATIONAL FOREST.
Richard
NATIONAL FOREST SUPERVISOR
6-27-96
DATE

SHEET 1 OF 1

UNION COUNTY SURVEYOR
Date Received 7-10-96
Date Filed 7-10-96
By R. Robinson, Deputy
File No. 027-1996

TOMKINS-WELLS JOINT VENTURE
A PARTNERSHIP
P.O. BOX 1046, 357 NE HWY 11
PENDLETON, OR 97801
PHONE: (503) 276-6362

PROJECT:
RESERVOIR CADASTRAL SURVEY
SECTIONS 1 & 2, T 3 S., R 36 E., N.M.
UNION COUNTY, OREGON
CONTRACT NO.
53-04M3-3-0102

DATE: DEC., 1996 DR. BY: TLR
CK. BY: 6EF NO. RES39FL.DWS

FOUND A 2 1/2" GALVANIZED IRON PIPE WITH A 3/4" BRASS CAP BY A. JOSEPH GARRISON, UNDER BLM GROUP NUMBER 350 INSTRUCTIONS, DATED MAY 3, 1957. CORNER HAS RE-MONUMENTED FROM FOUND ORIGINAL EVIDENCE.

(N 84°57'11" E 40.00 CHAINS) R4
(S 84°54'33" W 2660.23) R1
N 84°54'00" E 2660.29'

FOUND A 2 1/2" GALVANIZED IRON PIPE WITH A 3/4" BRASS CAP BY A. JOSEPH GARRISON, UNDER BLM GROUP NUMBER 350 INSTRUCTIONS, DATED MAY 3, 1957. CORNER HAS RE-MONUMENTED FROM FOUND ORIGINAL EVIDENCE.

(N 84°57'11" E 40.00 CHAINS) R4
(S 84°58'32" W 2662.10) R1
S 84°59'15" E 2661.06'

FOUND A 2 1/2" ALUMINUM PIPE WITH A 2 1/2" ALUMINUM CAP BY L.S. 644, SEE RECORD SURVEY NUMBER 11-84, UNION COUNTY, OREGON.

T 2 S
T 3 S

N.W. 1/4, SECTION 2
N 44°47'11" E 2884.70'
S 84°55'41" E 2687.54'
N 00°55'06" E 2794.96'

N.E. 1/4 SECTION 2
(NATIONAL FOREST SYSTEM LANDS)

N.W. 1/4 SECTION 1
(NATIONAL FOREST SYSTEM LANDS)

N.E. 1/4 SECTION 1
(PRIVATE LANDS)

FOUND A 2 1/2" ALUMINUM PIPE WITH A 2 1/2" ALUMINUM CAP BY L.S. 644, SEE RECORD SURVEY NUMBER 028-1942, UNION COUNTY, OREGON.

S.W. 1/4, SECTION 2
N 44°26'12" E 2788.09'
N 00°55'06" E 2794.99'
N 00°55'06" E 1354.66'

N.W. 1/4 S.E. 1/4
(NATIONAL FOREST SYSTEM LANDS)

N.E. 1/4 S.E. 1/4
(NATIONAL FOREST SYSTEM LANDS)

N. 1/2 S.W. 1/4
(NATIONAL FOREST SYSTEM LANDS)

S.E. 1/4 SECTION 1
(PRIVATE LANDS)

FOUND A 2 1/2" ALUMINUM PIPE WITH A 2 1/2" ALUMINUM CAP BY L.S. 644, SEE RECORD SURVEY NUMBER 028-1942, UNION COUNTY, OREGON.

(S 84°49'04" E 1343.80) R2
S 84°47'30" E 1343.55'

(S 84°49'04" E 1343.80) R2
S 84°49'27" E 1342.91'

FOUND A 2 1/2" ALUMINUM PIPE WITH A 2 1/2" ALUMINUM CAP BY L.S. 644, SEE RECORD SURVEY NUMBER 028-1942, UNION COUNTY, OREGON.

FOUND A 2 1/2" ALUMINUM PIPE WITH A 2 1/2" ALUMINUM CAP BY L.S. 644, AS PER LAND CORNER RECORD NUMBER 018-1943 R, UNION COUNTY, OREGON.

LEGEND

- SET 2 1/2" X 30" ALUMINUM PIPE WITH A 2 1/2" MAGNETIZED ALUMINUM CAP.
- ⊙ SET 5/8" X 30" REBAR WITH A 1 1/2" ALUMINUM CAP AS A REFERENCE MONUMENT.
- ⊕ FOUND EXISTING MONUMENT AS NOTED.
- ✕ CALCULATED POSITION, NOT FOUND OR SET.
- (XXX) R1 RECORD BEARINGS & DISTANCES PER SURVEY NO. 11-84, UNION COUNTY SURVEYOR.
- (XXX) R2 RECORD BEARINGS & DISTANCES PER SURVEY NO. 028-1942, UNION COUNTY SURVEYOR.
- (XXX) R3 RECORD BEARINGS & DISTANCES PER SURVEY NO. 028-1943, UNION COUNTY SURVEYOR.
- (XXX) R4 RECORD BEARINGS & DISTANCES FROM ORIGINAL GLO NOTES.
- EXISTING FENCE.
- SECTION OR SECTION SUBDIVISION LINE.
- NATIONAL FOREST BOUNDARY POSTED ON THIS SURVEY WITH 6" STUDDED T" STEEL FENCE POSTS WITH SIGNS 54-2 ATTACHED.

REFERENCE MATERIALS

GENERAL LAND OFFICE FIELD NOTES
MAP OF SURVEY NUMBER 028-1943
MAP OF SURVEY NUMBER 028-1942
MAP OF SURVEY NUMBER 11-84

NARRATIVE OF SURVEY

THIS SURVEY WAS PERFORMED AT THE REQUEST OF THE WALLAWA WHITMAN NATIONAL FOREST UNDER CONTRACT NUMBER 53-04M3-3-0102. THE PURPOSE OF THIS SURVEY WAS TO LOCATE AND POST CERTAIN NATIONAL FOREST BOUNDARIES IN SECTIONS 1 & 2 OF T. 3 S., R. 36 E., N.M., UNION COUNTY, OREGON.

WITH THE EXCEPTION OF THE WEST 1/4 AND NORTH 1/4 CORNERS OF SECTION 2, POSITIONS OF EXISTING CONTROLLING MONUMENTS WERE DETERMINED BY DIRECT 6 P.S. OBSERVATION USING 3 ASHTACH DUAL FREQUENCY RECEIVERS. NOAA HIGH ACCURACY REFERENCE NETWORK (HARN) STATIONS D18 HILL RESET (PID, RB 1488), COVE (PID, RA 0822) AND FORE (PID, RB 1484) WERE USED AS REFERENCE CONTROL FOR THE NETWORK. ALL OTHER MEASUREMENTS WERE MADE USING A SOKKIA SET 3B AUTOMATIC TOTAL STATION HAVING STANDARD ERRORS OF ± 3 SECONDS ANGULAR, AND ± MM ± 3 PARTS PER MILLION TIMES DISTANCE FOR LINEAR MEASUREMENTS. ALL TRAVERSES WERE CLOSED AND ADJUSTED USING LEAST SQUARES METHODS. OFFSETS TO POSTED LINE WERE MADE WITH A HAND COMPASS AND STEEL TAPE FROM SURVEY CONTROL POINTS.

THE QUARTER CORNER BETWEEN SECTIONS 1 AND 2 WAS DECLARED LOST AFTER DILIGENT SEARCH AND WAS RE-ESTABLISHED BY SINGLE PROPORTION MEASUREMENT BETWEEN THE RECOVERED SOUTHEAST AND NORTHEAST CORNERS OF SECTION 2. THE QUARTER CORNER BETWEEN SECTIONS 1 AND 12 WAS DECLARED LOST AFTER DILIGENT SEARCH AND WAS RE-ESTABLISHED BY SINGLE PROPORTION MEASUREMENT BETWEEN THE RECOVERED SOUTHWEST AND SOUTHEAST CORNERS OF SECTION 1.

BEARINGS ARE BASED ON OREGON NORTH ZONE GRID BEARINGS, DERIVED FROM 6 P.S. OBSERVATIONS AND WERE ROTATED TO GEODETIC BEARINGS AT THE SECTION CORNER COMMON TO SECTIONS 35 & 36, T 2 S., R 36 E., N.M. AND SECTIONS 1 & 2, T 3 S., R 36 E., N.M.. GRID DISTANCES WERE CONVERTED TO GROUND DISTANCES USING A COMBINED (GRID AND ELEVATION) FACTOR OF 1.0002643. MEASUREMENTS SHOWN ON THIS RECORD OF SURVEY ARE GROUND DISTANCES. LATITUDES AND LONGITUDES SHOWN ARE NAD 83 (11) DATUM.