



# RECORD OF SURVEY

October 13, 2010

CENTERLINE DESCRIPTION FOR ACCESS ROAD A:

An easement for ingress and egress, across the Northeast Quarter of the Northwest Quarter of Section 20, and the East Half of the Southwest Quarter and Northwest Quarter of Section 17, Township 5 North, Range 29 East, W.M., Umatilla County, Oregon. Said ingress-egress easement being 10.00 feet in width, 5.00 feet on each side of the centerline described as follows:

Commencing at the Northeast Corner of the Northeast Quarter of the Northwest Quarter of said Section 20, thence South 23°32'23" West a distance of 1082.70 feet to a point on the North right-of-way line of U.S. Highway No. 730, the TRUE POINT OF BEGINNING for this centerline description; thence North 15°19'39" East a distance of 49.31 feet; thence North 05°56'50" West a distance of 67.25 feet; thence North 11°26'02" West a distance of 231.59 feet; thence North 13°23'14" West a distance of 224.38 feet to the point of curvature of a circular curve; thence along the arc of a 885.00 foot radius curve to the left a distance of 153.89 feet to the point of tangency, (long chord bears North 18°22'08" West a distance of 153.70 feet); thence North 23°21'02" West a distance of 297.30 feet; thence North 22°21'38" West a distance of 305.80 feet to the point of curvature of a circular curve; thence along the arc of a 500.00 foot radius curve to the left a distance of 99.91 feet to the point of tangency, (long chord bears North 28°05'05" West a distance of 99.74 feet); thence North 33°48'33" West a distance of 84.43 feet to the point of curvature of a circular curve; thence along the arc of a 440.00 foot radius curve to the right a distance of 238.30 feet to the point of tangency, (long chord bears North 18°17'36" West a distance of 235.40 feet); thence North 02°46'40" West a distance of 91.93 feet to the point of curvature of a circular curve; thence along the arc of a 220.00 foot radius curve to the left a distance of 80.50 feet to the point of tangency, (long chord bears North 13°15'39" West a distance of 80.08 feet); thence North 23°44'39" West a distance of 76.10 feet to the point of curvature of a circular curve; thence along the arc of a 330.00 foot radius curve to the right a distance of 129.49 feet to the point of tangency, (long chord bears North 12°30'10" West a distance of 128.66 feet); thence North 01°15'42" West a distance of 176.06 feet; thence North 01°52'59" East a distance of 146.20 feet to the point of curvature of a circular curve; thence along the arc of a 507.49 foot radius curve to the left a distance of 44.64 feet to the point of tangency, (long chord bears North 00°38'13" West a distance of 44.63 feet); thence along the arc of a 740.00 foot radius curve to the right a distance of 208.28 feet to the point of tangency, (long chord bears North 04°54'22" East a distance of 207.59 feet); thence North 12°58'09" East a distance of 159.37 feet to the point of curvature of a circular curve; thence along the arc of a 325.23 foot radius curve to the left a distance of 171.62 feet to the point of tangency, (long chord bears North 02°08'55" West a distance of 169.64 feet); thence North 17°15'58" West a distance of 87.89 feet; thence North 32°11'08" West a distance of 93.75 feet; thence North 30°29'02" West a distance of 158.01 feet to the point of curvature of a circular curve; thence along the arc of a 390.00 foot radius curve to the right a distance of 204.83 feet to the point of tangency, (long chord bears North 15°26'15" West a distance of 202.49 feet); thence North 00°23'28" West a distance of 880.99 feet; thence North 12°00'29" West a distance of 92.26 feet; thence North 18°08'48" West a distance of 147.06 feet to the point of curvature of a circular curve; thence along the arc of a 530.00 foot radius curve to the left a distance of 204.83 feet to the point of tangency, (long chord bears North 29°13'05" West a distance of 203.55 feet); thence North 40°17'53" West a distance of 125.67 feet to the point of curvature of a circular curve; thence along the arc of a 100.00 foot radius curve to the right a distance of 19.64 feet, (long chord bears North 34°39'45" West a distance of 19.61 feet), to a point on the Southeastery line of that tract of land retained by the State of Oregon, through it's Department of Fish and Wildlife, described in Bargain and Sale Deed recorded as Instrument No. 93-183473 at Reel 237, Page 656, Microfilm Records of Umatilla County, the TERMINUS POINT for this centerline description. From said Terminus Point, the Northwest Corner of said Section 17 bears North 37°32'15" West a distance of 1909.79 feet.

Side lines of said easement are to be lengthened or shortened to terminate on the North right-of-way line of U.S. Highway 730, which bears South 77°47'25" East and North 77°47'25" West from the True point of Beginning and on the Southeastery line of said State of Oregon Tract, which bears North 49°24'59" East and South 49°24'59" West from the Terminus Point.

October 13, 2010

CENTERLINE DESCRIPTION FOR ACCESS ROAD B:

An easement for ingress and egress, across the Northwest Quarter of Section 17, Township 5 North, Range 29 East, W.M., Umatilla County, Oregon. Said ingress-egress easement being 10.00 feet in width, 5.00 feet on each side of the centerline described as follows:

Commencing at the Northwest Corner of said Section 17; thence South 37°32'15" East a distance of 1909.79 feet to a point on the Southeastery line of that tract of land retained by the State of Oregon, through it's Department of Fish and Wildlife, described in Bargain and Sale Deed recorded as Instrument No. 93-183473 at Reel 237, Page 656, Microfilm Records of Umatilla County, the TRUE POINT OF BEGINNING for this centerline description; thence along the arc of a 100.00 foot radius curve to the right a distance of 55.47 feet to the point of tangency, (long chord bears North 13°08'45" West a distance of 54.76 feet); thence North 02°44'39" East a distance of 67.60 feet to the point of curvature of a circular curve; thence along the arc of a 80.00 foot radius curve to the left a distance of 85.81 feet to the point of tangency, (long chord bears North 27°59'03" West a distance of 81.75 feet); thence North 58°42'45" West a distance of 112.55 feet; thence North 26°58'24" West a distance of 54.75 feet; thence North 11°47'43" East a distance of 121.19 feet; thence North 06°55'27" East a distance of 196.13 feet; thence North 15°34'55" West a distance of 126.13 feet; thence North 04°14'44" West a distance of 124.00 feet; thence North 09°50'57" West a distance of 63.51 feet; thence North 17°34'06" West a distance of 62.43 feet; thence North 14°19'15" West a distance of 125.38 feet; thence North 23°08'39" West a distance of 136.37 feet; thence North 13°52'01" West a distance of 123.10 feet; thence North 18°57'14" West a distance of 61.29 feet; thence North 12°20'35" West a distance of 55.87 feet; thence North 29°56'04" West a distance of 43.70 feet; thence North 58°23'34" West a distance of 31.60 feet to a point on the North line of said Section 17, the TERMINUS POINT for this centerline description. From said Terminus Point, the Northwest Corner of said Section 17 bears North 89°58'31" West a distance of 776.00 feet.

Side lines of said easement are to be lengthened or shortened to terminate on the Southeastery line of said State of Oregon Tract, which bears North 49°24'59" East and South 49°24'59" West from the True Point of Beginning and on the North line of Section 17, which bears South 89°58'31" East and North 89°58'31" West from the Terminus Point.

NARRATIVE

THIS SURVEY WAS MADE AT THE REQUEST OF BONNEVILLE POWER ADMINISTRATION TO SURVEY AND PREPARE A MAP EXHIBIT AND DESCRIPTIONS FOR A 10 FOOT WIDE INGRESS-EGRESS EASEMENT ACROSS TWO TRACTS OF LAND LOCATED IN SECTIONS 17 AND 20, TOWNSHIP 5 NORTH, RANGE 29 EAST, W.M..

IN 2006, PER RECORD SURVEY NO. 06-038-C, I PERFORMED A SURVEY FOR THE CONFEDERATED TRIBES OF THE UMATILLA INDIAN RESERVATION IN THE CURRENT PROJECT AREA. DURING SURVEY NO. 06-038-C, I RECOVERED AND TIED ALL REQUIRED CONTROLLING CORNERS AND MEASURED THE CENTER LINE OF THE EXISTING ACCESS ROAD WHERE THE NEW INGRESS-EGRESS EASEMENTS ARE TO BE CREATED. MEASUREMENTS WERE MADE BY GPS REAL TIME KINEMATIC METHODS WITH REDUNDANT OBSERVATIONS ON ALL CONTROLLING CORNERS. SURVEY NO. 06-038-C WAS MADE IN ACCORDANCE WITH STATE OF OREGON STATUTES AND IN CONFORMANCE WITH THE DEPARTMENT OF INTERIOR, BUREAU OF LAND MANAGEMENT MANUAL OF INSTRUCTIONS, 1973 EDITION.

FOR THIS SURVEY, I VERIFIED THE ACCESS ROAD TIED IN 2006 HAD NOT MOVED BY OBSERVING THE CENTER LINE WITH A TRIMBLE PRO XR, BEACON CORRECTED ROAD TRACE. I FOUND THE ACCESS ROAD IN THE SAME POSITION AS TIED IN 2006. I ALSO VISITED AND RECOVERED CONTROLLING CORNERS DEFINING THE LINES AT THE BEGINNING AND TERMINUS OF EACH OF THE ACCESS ROAD EASEMENTS. I ALSO RECOVERED AND TIED THE 1/4 CORNER MONUMENT CORNER COMMON TO SECTIONS 17 AND 20, ESTABLISHED UNDER SURVEY NO. 06-265-C. UNDEVELOPED COUNTY ROADS NUMBERED 620 AND 627 CROSS PORTIONS OF BOTH TRACTS. THESE UN-VACATED RIGHT-OF-WAYS ARE SHOWN CENTERED ON SECTION LINES, AS INDICATED IN THE ROAD NOTES AND COUNTY COMMISSIONERS ORDERS.

THIS SURVEY WAS MADE USING TRIMBLE 5700 GEODETIC GPS RECEIVERS OPERATED IN REAL TIME KINEMATIC MODE. MAPPING AND COMPUTATIONS WERE MADE USING AUTODESK MAP 5, C-G SURVEY FOR AUTOCAD OR MICRO SURVEY 2009.

SURVEYORS CERTIFICATE

I, WILLIAM R. WELLS, A REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF OREGON, DO HEREBY CERTIFY TO BONNEVILLE POWER ADMINISTRATION, THAT THIS SURVEY AND THE RESULTING EASEMENT DESCRIPTIONS WERE PREPARED UNDER MY DIRECT SUPERVISION FROM A SURVEY MADE ON THE GROUND AND ARE ACCURATE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION APPLYS TO SHEETS 1 OF 2 AND 2 OF 2 WHICH COMPRISE THIS SURVEY.

*William R. Wells*  
WILLIAM R. WELLS, OREGON PLS 1106

REGISTERED  
PROFESSIONAL  
LAND SURVEYOR

*William R. Wells*

OREGON  
JULY 22, 1977  
WILLIAM R. WELLS  
1106  
RENEWS 6/30/12

SHEET 2 OF 2

WELLS SURVEYING 1 SW NYE AVENUE, SUITE B P.O. BOX 1896 PENDLETON, OREGON PHONE: (541) 276-6362		PROJECT: SURVEY OF RECIPROCAL ACCESS EASEMENTS FOR BPA AND ODFW
RECEIVED BY Umatilla County Surveyor Date: 10-10 Initials: KR 10-1661-C	DATE: 10/10 DR. BY: JMW/WRW CK BY: WRW NO: 10-1304	SITUATED IN THE WEST HALF OF SECTION 17 AND THE NORTHWEST QUARTER OF SECTION 20, TOWNSHIP 5 NORTH, RANGE 29 EAST, W.M., UMATILLA COUNTY, OREGON.