Valve and Tee Listing

Client: Enbridge Energy Limited Partnership | Run Date: July 31, 2013 | Projection: UTM | Zone: 16

Project: NPS 20 GEOPIG Geometry Inspection | Location: Line 5 Straights of Mackinac-East Loop | Datum: WGS 84 | C.M.: -87

BAKER HUGHES

Feature Identifier	Absolute Distance (ft)	Enbridge Chainage (ft)	Nearest U/S GWD	Dist to U/S GWD (ft)	Comments	Northing (m)	Easting (m)	Height (m)
VLV 1	57.79	82.8	51	.59	Launch Valve GPS-1	5,078,853.08	674,430.27	141.23
TEE 1	62.59	87.1	61	1.62		5,078,852.77	674,431.55	141.23
TEE 2	185.70	210.3	151	21.36		5,078,837.40	674,464.09	139.00
VLV 2	21,675.12	21,722.0	8670	.10		5,072,709.23	673,000.72	160.82
TEE 3	21,706.68	21,752.2	8700	.60		5,072,711.28	672,991.70	160.94
VLV 3	21,711.70	21,758.3	8720	.15	Receive Valve GPS-2	5,072,711.67	672,990.03	160.94
TEE 4	21,775.45	21,819.8	8780	1.25		5,072,715.82	672,971.54	163.23