



*The Leading Edge in Pipeline Inspection*

**LAND PROJECT REFERENCES LIST**

<b>Year</b>	<b>Project Name</b>	<b>Location</b>	<b>Operator/Client</b>	<b>Length</b>	<b>Dia/Wt</b>	<b>Specifications</b>	<b>NDT Process</b>
1996	TCPL AUT Qualifications	San Francisco, CA	TransCanada Pipeline	2 weeks	42" x 10.6 mm	CSA Z662 Appendix "K"	AUT
1997	ANR Pipelines	Illinois, USA	ANR Pipeline	15 kms	42" x 11.6 mm	API-1104 18th Section 6	AUT
1997	Nova AUT Qualificatons	Airdire, Alberta, Canada	Nova Gas Transmission	1 week	30" x 12.8 mm	CSA Z662 Appendix "K"	AUT
1997	TCPL Spread 97A	Ontario, Canada	TransCanada Pipeline	27 kms	42" x 10.6 mm	CSA Z662 Appendix "K"	AUT
1997	TCPL Spread 97C	North Bay, Ontario	TransCanada Pipeline	26 kms	42" x 16.0 mm	CSA Z662 Appendix "K"	AUT
1997	TPCL AUT Qualifications	Cochrane, Ontario	TransCanada Pipeline	1 week	42" x 16.0 mm	CSA Z662 Appendix "K"	AUT
1998	Gasoducto Brazil to Bolivia	Campo Grande, Brazil	PetroBras	520 kms	32" x 11.5 mm	API-1104 18th Section 6	AUT
1998	Foodhills Eastern Leg	Alberta, Canada	Foothills Pipeline	20 kms	42" x 12.0 mm	CSA Z662 Appendix "K"	AUT/RT
1999	Alliance Spread 1	Alberta, Canada	Alliance Pipeline L.P.	75 kms	24" x 6.6 - 10.7 mm	CSA Z662 Appendix "K"	AUT/RT
1999	Alliance Spread 3	Alberta, Canada	Alliance Pipeline L.P.	83 kms	42" x 11.4 - 17.8 mm	CSA Z662 Appendix "K"	AUT/RT
1999	Alliance Spread 5 - 7	Alberta, Canada	Alliance Pipeline L.P.	848 kms	36" x 14.2 - 17.8 mm	CSA Z662 Appendix "K"	AUT/RT
1999	TCPL Spread 99A - B	Ontario, Canada	TransCanada Pipeline	100 kms	42" x 10.6 mm	CSA Z662 Appendix "K"	AUT/RT
2000	Alliance Spread 2 - 3	Alberta, Canada	Alliance Pipeline L.P.	247 kms	42" x 11.6 - 17.8 mm	CSA Z662 Appendix "K"	AUT/RT
2000	Alliance Spread 4, 8 - 9	Alberta & Sask, Canada	Alliance Pipeline L.P.	312 kms	36" x 14.2 - 17.8 mm	CSA Z662 Appendix "K"	AUT/RT
2000	Alto Mar Girassol Qual	Mitry Mory, France	Total Fina Elf	4 weeks	12" x 14.0 mm	API-1104 19th Section 6	AUT
2000	ExxonMobil Upstream Research	Sardinia	ExxonMobil	10 weeks	36" x 15.8 mm	Proprietary	AUT

2000	Vector Spread 1- 4	USA	Vector Pipeline L.P.	430 kms	42" x 10.6 mm	API-1104 18 Section 6	AUT
2000	Vector Spread 5	Ontario, Canada	Vector Pipeline L.P.	27 kms	42" x 10.6 mm	CSA Z662 Appendix "K"	AUT
2001	Gulfstream Pipeline Project	Florida, USA	Gulfstream Pipeline L.L.C.	288 kms	24/30/36" x 10.6 - 17.8 mm	API-1104 19th Edition	AUT
2002	InSalah Gas Pipeline Project	Algeria	InSalah Gas Pipeline	720 kms	24/38/48" x 8.8 - 20.6 mm	API-1104 19th Edition App.A	AUT
2002	Kern River Expansion Project	Utah, USA	Kern River Gas Transmission	442 kms	36" x 10.9 - 15.8 mm	API-1104 19th Edition	AUT
2002	TCPL West Path Expansion	Alberta, Canada	TransCanada Pipeline	60 kms	48" x 12.7 - 17.8 mm	API-1104 19th Edition	AUT
2002	TCPL West Path Research X-100	Alberta, Canada	TransCanada Pipeline	0.5 kms	48" x 14.3 mm	API-1104 19th Edition	AUT
2003	Dahej - Vijapur Spread 1	India	Gas Authority India Ltd.	170 kms	42" x 11.3 - 14.62 mm	API-1104 19th Edition	AUT
2003	Dahej - Vijapur Spread 4	India	Gas Authority India Ltd.	187 kms	42" x 11.3 - 14.62 mm	API-1104 19th Edition	AUT
2003	Ocean Zia Project	Carlyss, Louisiana	Ocean Energy	6 kms	10"/5" Pipe in Pipe x 10.7 - 11.1 mm	API-1104 19th Edition	AUT/RT
2003	Reynosa - San Fernando Pipeline	Reynosa, Mexico	El Paso	130 kms	36" x 10.6 - 15.8 mm	API-1104 19th Edition	AUT/RT
2003/2004	BTC Pipeline Project - Lot "C"	Ceyhan, Turkey	BOTAS	332 kms	34"/42" x 8.3 - 20.62 mm	API-1104 19th Edition	AUT/RT
2004	BTC Pipeline Project	Tbilisi, Georgia	Baku-Tbilisi - Ceyhan L.P.	107 kms	42"/46" x 15.9 - 23 mm	API-1104 19th Edition	AUT/RT
2004	Cheyenne Plains P/L 3 Spreads	Colorado & Kansas, USA	El Paso, CIG	611 kms	36" x 11.8 - 16.9 mm	API-1104 19th Edition, App. A	AUT/RT
2004	Peerless Lake Expansion	Alberta, Canada	TransCanada Pipeline	22 kms	24"/36" x 7.7 - 16.0 mm	CSA Z662 Appendix "K"	AUT/RT
2004	TCPL Research X - 100	Alberta, Canada	TransCanada Pipeline	1.0 km	36" x X-100	CSA Z662 Appendix "K"	AUT/RT
2004	TCPL Research X - 120	Alberta, Canada	TransCanada Pipeline	1.0 km	36" x X-120	CSA Z662 Appendix "K"	AUT/RT
2005	Pinance Basin P/L 2 Spreads	Colorado & Wyoming	El Paso, WIG	178 km	24" - 13 mm	API- 1104 19th Edition	RT

2006	Capacity Loops	Washington	Williams NW	125 km	36" x 10.46, 12.7 mm	API-1104 19th Edition	RT
2006	Saw Pipe Double Joint	Baytown, TX	Jindal	204 km	42"x 12.7 mm	API-1104 19th Edition	RT
2006	Entrega	Wyoming	Gregory & Cook	162 km	42" x 15.7, 18.8,22.5 mm	API-1104 19th Edition	AUT/RT
2006	Parachute Lateral	Colorado	Williams NW	80 km	36" x 10.9, 11.4, 13.0, 16.3 mm	API-1104 19th Edition	RT
2006	Energy Transfer	Texas	Willbros –RPI	161 km	42" x 12.3, 17.7, 19 mm	API-1104 19 <sup>th</sup> Edition	AUT/RT
2006	DUPL	India	Punj Lloyd/Gail	150 km	30" x 11.9, 14.3, 19.1 mm	API-1104 19 <sup>th</sup> Edition	AUT
2006	DPPL	India	Punj Lloyd	112 km	30" x 10.3, 11.9, 14.3 mm	API-1104 19 <sup>th</sup> Edition	AUT
2007	Saw Pipe Double Joint	Baytown, TX	Jindal	400 km	42" & 36" x 12.7 mm	API-1104 19 <sup>th</sup> Edition	RT
2007	Conoco-Phillips BIG	Brazoria, Tx	Sheehan Pipeline Const.	48km	42"x13.2, 15.8, 19.0mm	API-1104 19 <sup>th</sup> Edition	AUT/RT

2007	Sempra Mexico	Ensenada, Mexico	Henkels & McCoy	84km	42"	API-1104 19 <sup>th</sup> Edition	AUT/RT
2007	Southern Access Southern Lights	Wisconsin	Global Pipeline Partners	517km	42"	API-1104 19th Edition	RT
2007	Rockies Express	Wyoming, Colorado, Nebraska, Missouri	Associated P/L, Gregory & Cook Const., Welded Const.	725km Four Spreads	42"	API-1104 19th Edition	AUT/RT
2007	Kenda Lateral	Utah	Wyoming Interstate Gas	200km	24"	API-1104 19th Edition	RT

2007	Williams Super Spread	South East USA	Williams/Transco	Rehab	Various Rehab	API-1104 19th Edition	RT
2008	Williams North East	North East USA	Williams Transco	Rehab	Various Rehab	API-1104 19th Edition	RT
2008	Associated Pipeline Double Joint Rack	Baytown, Tx	Associated Pipeline Contractors	165km	30"	API-1104 19th Edition	RT
2008	Sempra Cameron Interstate	Louisiana	Henkels & McCoy	61km	42"	API-1104 19th Edition	AUT/RT
2008	Jindal Steel Double Joint Rack	Baytown, Tx	Jindal Steel	402km	42"	API-1104 19th Edition	RT
2008	Rockies Express East	Indiana & Ohio	Associated Pipeline Contractors	177km	42"	API-1104 19th Edition	AUT/ RT
2008	Keystone	North & South Dakota	Henkels & McCoy and Michels Corp	370km Two Spreads	30"	API-1104 19th Edition	AUT/RT
2008	Questar Rendezvous VI	Wyoming	Questar Gas Mgmt	165km	30"	API-1104 19th Edition	RT
2008	Enbridge Southern Access & Southern Lights	Wisconsin & Illinois	Enbridge	228km 278km	42" 20"	API-1104 19th Edition	AUT/RT