

Verification Dig Pipe Samples



Verifications can be performed either in the field or Onstream can measure the metal losses at our facility. If the following procedures are followed a verification report can be supplied in a timely manner.

- 1) Try to pick a location with several metal losses and several depths of penetration. This will aid in creating new algorithms if required .Try to pick some maximum and minimum penetrations.
- 2) Supply a weld if possible. This allows for better correlation.
- 3) Mark the Company Name / To and from LSD/ Joint # /Location in Meters/ Top and Bottom/ the direction to the next Joint and previous Joint / Location of metal loss. Flow of the product is not essential as inspections may not be run in the direction of product flow.
- 4) Split the pipe in half if possible paying attention to the orientation of the pipe if the metal loss is at 6:00 o'clock make cuts at 3:00 & 9:00
- 5) If the pipe is to be cut in shorter sections for transportation avoid cutting where the worst metal losses are. Identify the start and end of each sections e.g. 1/2/3/4.

If verifications are to be performed contact Onstream direction can be supplied as to which area may be best locations suited for a verification digs.

Dig sheets can be supplied to aid in locating the metal loss.

Ex
Prj
Run Date: 21/09/2012 Pipeline Name: 10-23-78-01WB to 10-23-78-02-1WB

Joint No	1	2	3	4	5	6	7	8	9
Length (m)	10.072	4.904	10.905	10.422	13.938	10.304	14.164	17.025	14.908
Depth (mm)	NA	NA	NA	NA	NA	NA	NA	NA	NA

Joint	Depth Type	US Depth (mm)	US Depth (mm)	Percent Cover (%)	Length (m)	Width (mm)	Depth Predicted (mm)	Depth Measured (mm)	Depth Measured (in)	Difference Predicted to Measured (%)	Length Measured (mm)	Width Measured (mm)
01	Metal Loss	0.160	16.013	20%	49	61	2.41	6.4	0.25	20	38	
02	Metal Loss	0.160	16.274	46%	65	53	11.02	6.4	0.25	20	38	
03	Metal Loss	0.160	16.223	24%	49	53	6.11	6.4	0.25	20	38	
04	Metal Loss	0.200	19.818	20%	12	23	1.61	6.4	0.25	20	38	
05	Metal Loss	0.210	19.203	25%	50	43	12.10	6.4	0.25	20	38	

A verification sheet can also be supplied if measurements are to be made in the field.

Pipeline Listing

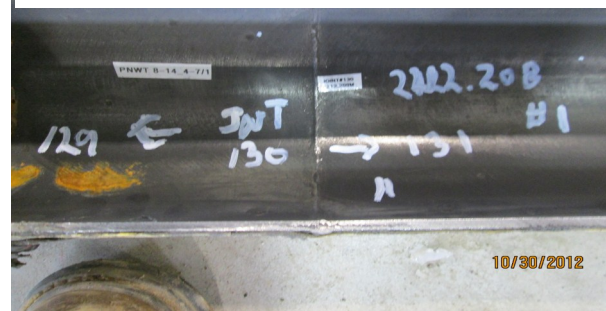
Project No: 120912-T4A-D Client: _____
 Pipeline Name: 14-8-78-7WB to 10-23-78-01WB Sec 8-14 to 4-7 Location: _____
 Run Date: 13-Sep-12 Line Segment: _____

Joint Number	Feature Number	Feature Type	Distance (m)	Dist to US Grth Weld (m)	Dist to US Grth Weld (in)	Length (m)	Width (mm)	Depth Predicted (mm)	Depth Measured (%)	Depth Measured (mm)	Depth Measured (in)	Difference Predicted to Measured (%)	Length Measured (mm)	Width Measured (mm)
		Joint	2195.000	0.000	17.200									
129	18359	Metal Loss	2195.188	0.338	16.868	8	6	21%						
129	18341	Metal Loss	2195.350	0.338	16.948	8	6	25%						
129	18343	Metal Loss	2195.380	0.380	16.820	10	6	21%						
129	18345	Metal Loss	2195.406	0.406	16.800	8	9	30%						
129	18347	Metal Loss	2195.450	0.450	16.750	4	6	19%						
129	18349	Metal Loss	2195.514	0.514	16.672	4	9	19%						
129	18351	Metal Loss	2195.536	0.536	16.650	4	9	24%						
129	18352	Metal Loss	2195.700	0.700	16.508	4	9	24%						
129	18354	Metal Loss	2195.722	0.722	16.486	4	9	26%						
129	18355	Metal Loss	2195.886	0.886	16.320	21	16	21%						
129	18356	Metal Loss	2195.892	0.892	16.314	8	9	17%						
129	18358	Metal Loss	2195.930	0.930	16.298	8	9	30%						
129	18359	Metal Loss	2195.936	0.936	16.270	8	6	21%						
129	18360	Metal Loss	2195.952	0.952	16.254	10	6	19%						

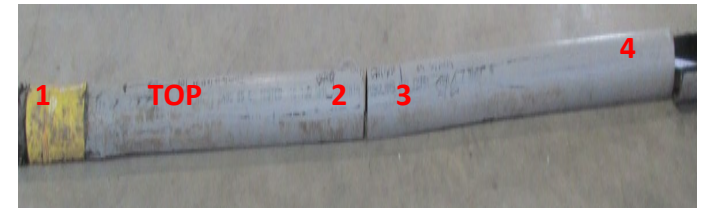
External View Starting weld with Location and Joint number and direction to next and previous Joint./ Section #



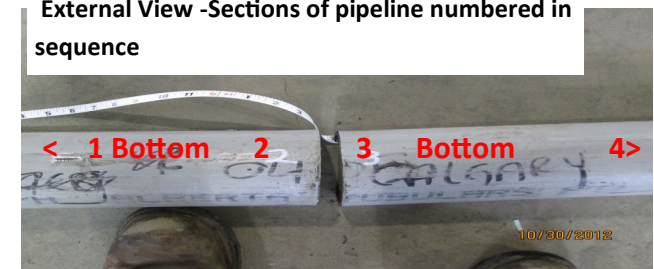
Internal View Starting weld with Location and Joint number and direction to next and previous Joint# & Section #



External View -Starting weld with sections of Joint cut in 2 meter sections.



External View -Sections of pipeline numbered in sequence



Internal View -Sections of pipeline numbered in sequence

