MP 608 – Marshall, Michigan Incident NTSB/PHMSA Information Request No. 82

82	Reference:	Email request by Matt Nicholson on October 1, 2010				
	Preamble:					
	Request:	Provide Hydrotest records from original installation.				
		Required by: October 14th, 2010				

Response: See attachments



LAKEHEAD PIPE LINE COMPANY

MAIN LINE PRESSURE TEST RECORD

Test Report Number: Line Number:	6B1
Line Size:	30
Mile Post Location:	From Milepost # 607.53 to 611
Date of Test:	11/22/69
Min Test Pressure:	792 at Milepost # 607.5
Test Medium:	Water
MAOP:	624
Yield Strength:	
Description:	Test Section 2-D East - Ref. Dwg. D-6-5.73-1468562.

FIELD PRESSURE & TEST REPORT Page 2 of 2

WILLIAMS PRESSURE SERVICE CORP.

1

Contractor or Company:	H. C. Price Compa	ny - Lakehead	Pipeline Company,	Inc.				
Pipe Line Description:	Description: Same as previous sheet							
Section Tested: From:		-To:						
Test Section No.:		Length:						
Type and Size of Pipe:	_ O. D. x W.T. x	Grade	Manufacturer:					
Pressure Unit No.:	Gallons per Stroke:		Fill Unit No.:					
Pressure Unit Location:		_Water Source:						
Time and Date Test Started:	AM PM	Test Pressure (Ma	aximum):	PSIG				
Time and Date Test Ended:	AM PM	Pressure Volume	Plot: Yes	_ No				
Section Accepted	Section Leaking		Section Ruptured					

DEADWEIGHT RECORDED READING (PSIG)

тіме Date <u>: 11/21/6</u> 9	PRESSURE	Temp.	TIME	PRESSURE	Temp.	TIME	PRESSURE	Temp₊
23557 PM 11:15 11:45 12:15 AM 12:45 1:15 1:45 2:15 2:15 3:45 3:15 3:45 4:15 4:45 5:15 Strokes per 10 psi:	792 792 792 792 792 793 793 793 793 793 793 793 793 793 793	22 22 22 22 20 20 20 20 20 20 20 20 20 2	AM 322000 5:45 6:15 6:45 7:15 7:45 8:15 8:45 9:15 9:45 10:15 10:45	292 7914 7914 7914 7914 7914 7914 7914 7914	27 22 24 26 26 26 28 32 34 34 34	AM PM		
11/22/69	- 10:45 AM	m Test	accepted.					
WPS INC. Supt Witness: 1				_Inspector2	,	Edward Ku LYnn Kilp		
Gauges and Recorders Last Tested2/69			Deadweight Serial No3090					

FIELD PRESSURE & TEST REPORT Page 1 of 2

WILLIAMS PRESSURE SERVICE CORP.

(

(

 l_{j}^{b}

Contractor or Company:	H. C. Price Com	pany - Lakehead Pipeline Company, Inc.
Pipe Line Description: _	Griffit	h, Indiana to Sarnia, Ontatio
Section Tested: From:	Station 7495+04	h, Indiana to Sarnia, Ontatio M.P. G(1,00 To: Station 7678+25 ASB & LPL MI.
Test Section No.:	2-D (East)	Length: 3.47 Miles
Type and Size of Pipe:	<u>30"</u> O. D. x <u>0.250"</u> W.T.	x Grade <u>X-52</u> Manufacturer: <u>Italsider</u>
Pressure Unit No.:	46 Gallons per Stroke	e:0.55 Fill Unit No.:4
Pressure Unit Location: .	Station 7495+04	Water Source:Kalamazoo River
Time and Date Test Star	ted:6: 10 🏘 11/21/69	M.P. 607,53 Test Pressure (Maximum): <u>798 @ Sta. 7495+04</u> PSIG
Time and Date Test End	led:10:45 AMk11/22/69	_Pressure Volume Plot: Yes No
Section Accepted	Yes Section Leaking -	Section Ruptured

DEADWEIGHT RECORDED READING (PSIG)

TIME	PRESSURE	Temp.	TIME	PRESSURE	Temp.	TIME	PRESSURE	Temp.
Date: 11/21/69								
AM 6: 1072555 6: 20 6: 30 6: 40 6: 50 7: 00 7: 10 7: 10 7: 30 7: 50 8: 10 8: 30 8: 50	798 792 790 789 789 788 788 788 787 787 787 787 787	20 20 20 20 20 20 20 22 22 22 22 21 21 21 21	AM 9:50 10:10 10:30 10:45 * 11:45 12:15 PM 12:45 1:15 1:45 1:45 2:15 2:45 2:45	786 785 785 785-798 796 795 795 795 795 794 794 794 794 794	28 30 30 30 31 33 34 38 38 38 38 38	<u>4:15</u> PM <u>4:45</u> <u>5:15</u> <u>5:45</u> <u>6:45</u> <u>6:45</u> <u>7:15</u> <u>7:45</u> <u>8:15</u> <u>8:45</u> <u>9:15</u> <u>9:45</u>	793 793 793 792 792 792 792 792 792 792 792 792 792	30 30 28 26 24 24 24 24 24 24 23 22 22
<u>9:10</u> <u>9:30</u>	<u> </u>	24 24' =	3:15 3:45	<u> </u>	32 32	10:15 10:45	<u> </u>	22 22
	Strokes per 10 psi: <u>195</u> Remarks: <u>10.7</u> Gallons per 1b. * Repressure Interval.							
11/21/69 - 6:10AM - Reached maximum pressure. Begin stabilization period.								
10:45AM - Repressured and begin 24 hour test period.								
Approximately 1200 fest of pipe was exposed.								
WPS INC. Supt.	s/ S. A. H	lelly	<u>.</u>	_Inspector	s/ 1	Edward Kup	sick	
Witness: 1	s/ Milton	Buford		_2	s/ 1	L. Kilpatr	ick	
Gauges and Recorders Last Tested2/69Deadweight Serial No3090								

67



WILLIAMS PRESSURE SERVICE CORPORATION P. O. BOX 7392 • (318) 424-8331 SHREVEPORT, LOUISIANA 71107

February 3, 1970

Lakehead Pipeline Company, Inc. 3025 Tower Avenue Superior, Wisconsin 54880

Gentlemen:

This is to certify that Test Section 2-D (East), a 3.47 Mile section of 30" O. D. x 0.250" w.t. X-52 pipeline constructed in 1969 by M.R. 607.53 M.R. G11.00H. C. Price Company between Sta. 7495+04 and Sta. 7678+25 in the State of Michigan has been tested to a minimum pressure of 783 P.S.I.G. and a maximum pressure of 820 P.S.I.G. for a minimum period of 24 hours.

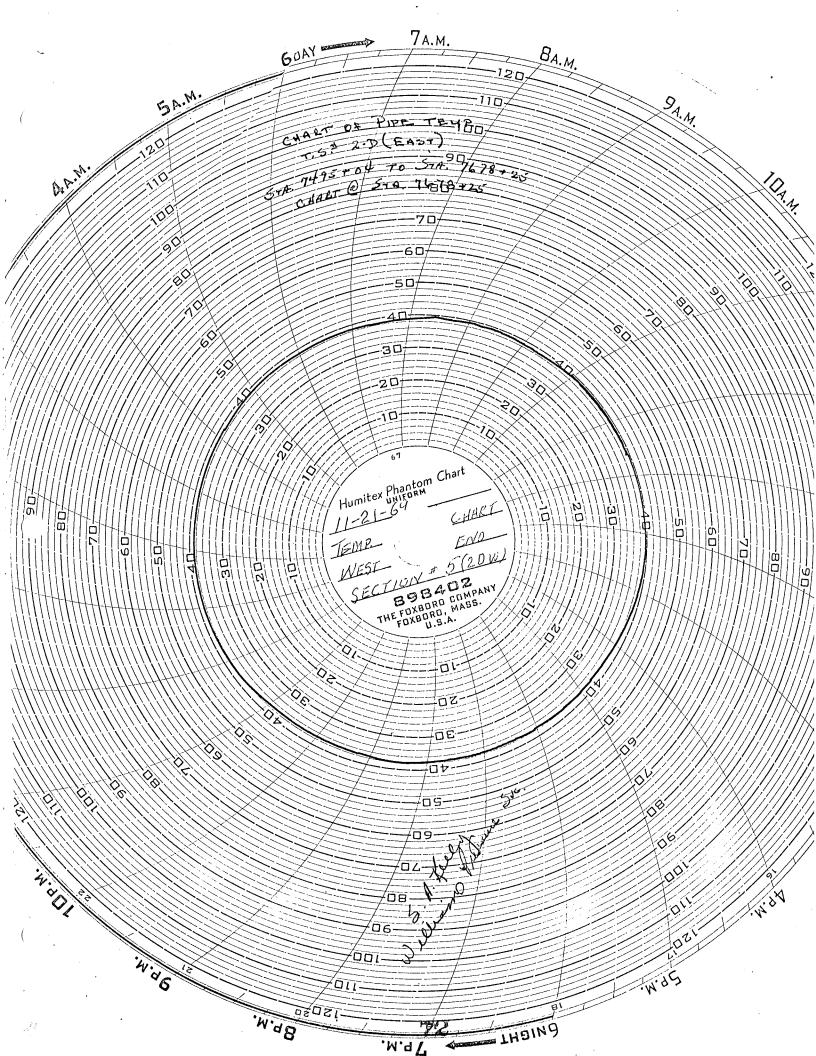
This is to certify that this data, a copy of which is in Williams Pressure Service Corporation permanent files is true and correct.

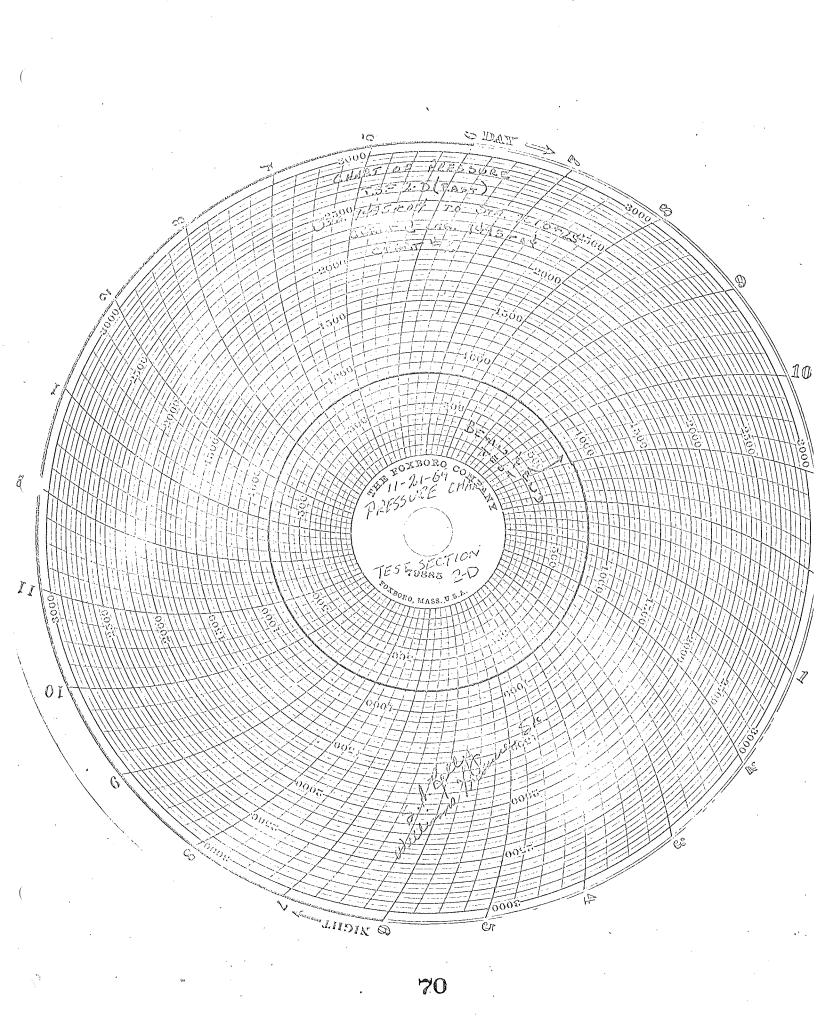
1: James T. White Chief Engineer TALABEEREESERSES, ENGINEER X 2978

PRESSURE STROKE DATA

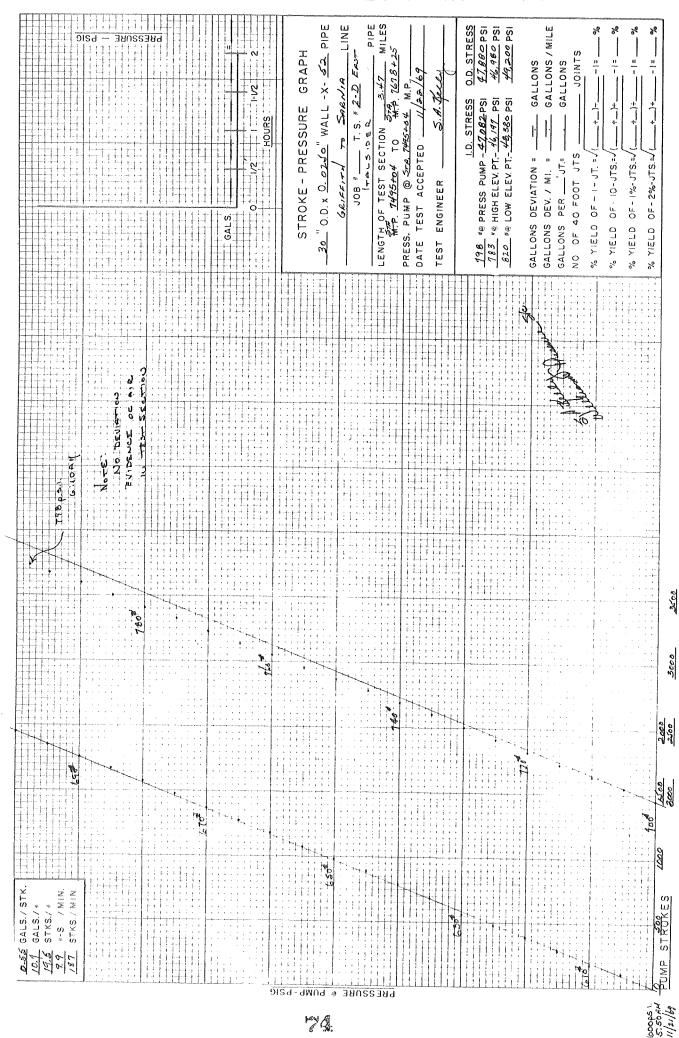
<u>30"</u> O. D. x <u>0.250"</u> WT Pipe, Test Section <u>2-D (East)</u> Location XXXX. Sta. 7495+04 Date <u>11/22/69</u>

Pressure PSIG	Strokes	Pressure PSIG	Strokes
$ \begin{array}{r} 600 \\ 605 \\ 610 \\ 615 \\ 620 \\ 625 \end{array} $		775 780 785 790 795 798	3326 3412 3502 3598 3679 3739
630 635 640 645 650 655	570 680 780 890 883 1078		
660 665 670 675 680 685	$ \begin{array}{r} 1181 \\ 1276 \\ 1377 \\ 1175 \\ 1573 \\ 1668 \\ 2856 \end{array} $		
690 695 700 705 710 715 720	$ \begin{array}{r} 1759 \\ 1851 \\ 1948 \\ 2045 \\ 2137 \\ 2238 \\ 2326 \\ \end{array} $		
725 730 735 740 745 750	2528 2419 2506 2593 2689 2780 2864		
755 760 765 770	$ 2957 \\ 3046 \\ 3139 \\ 3228 3228 $		





7а.м. 6 DAY BA.M. 5A.M. 120 CHAP TOF PIPE TEMP. T5.# 2.0- (=AST) 120 110, A.A. A.A.M. TO STA. 1678 1495704 .110 STAT 7495704 CHART @ New York Sta. 160 80 .90 70, :80 60 10 50 160 1001 40 100 ing 60 60) 30 -20 -10 10 YQ> 67 Humitex Phantom Chart UNIFORM 601 CHART 50 201 1 I I ά Π 4 END TEMP 4 20-50 EAST # 2 (2DE <u>6</u> 0 SECTION B984D2 THE FOXBORD COMPANY FOXBORD, MASS. U.S.A. 20 TEG; `Q` S. Û, 01-S, ide: ¢, DZ-(jn ij. H. (j⁴) 08 idaj. 10 011 .09 07 (1) DS W.aOL 08 09 06 OL 001 08 14.00 06 IDII: 1W.9A 001 1021 <u>čoli</u> .W.dB 12030 ·W.92 ۰. ۱ 71 BI 61 IH9IN9 W'd/



(

