



PRESSURE TEST REPORT

Date: 05 / 19 / 2019 (MM/DD/YYYY)

Construction Order No: C 0506206

Inspector: Sam Gann

Project Number: 180 • 42090

Beginning GPS/Station #: 1215+83

Ending GPS/Station #: 1759+47

Pipe Size: 24"/1" Footage: 54,364/77 Pipe Grade: X52/A106 Pipe Manufacturer: PTC,American,Michigan

MAOP: 800 Design Pressure: 800

Type of Testing Equipment: Refinery Dead Weight Serial No: 5403 Date of Calibration: 1/25/19

Test Start Time: 9:15AM Test End Time: 5:15PM Total Time Tested: 8hr

15 MINUTE TEST RECORDINGS

Time	Pressure	Pipe Temperature	Ambient Temperature
6:05:00 AM	0	67	72
6:40:00 AM	274	65	72
7:18:00 AM	540	65	72
8:13:00 AM	8:10	67	79
8:45:00 AM	1080	68	81
9:00:00 AM	1079	68	82
9:15:00 AM	1079	68	83
9:30:00 AM	1079	69	83
9:45:00 AM	1079	69	83
10:00:00 AM	1079	69	83
10:15:00 AM	1079	70	83
10:30:00 AM	1078	70	85
10:45:00 AM	1078	71	85
11:00:00 AM	1078	72	87
11:15:00 AM	1077	72	85
11:30:00 AM	1077	72	85
11:45:00 AM	1077	73	84
12:00:00 PM	1077	73	85
12:15:00 PM	1077	74	87
12:30:00 PM	1077	74	87
12:45:00 PM	1076	74	87
1:00:00 PM	1076	75	87
1:15:00 PM	1076	75	86
1:30:00 PM	1076	75	86
1:45:00 PM	1076	76	87
2:00:00 PM	1075	76	84

Completed Test Results: **Passed**

Inspector's Signature: Sam Gann Tjinspection [Signature] Date: 05/19/19

Contractor Representative: Jonathan Moran Bobcat Contracting [Signature] Date: 05/19/19



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15 MINUTE TEST RECORDINGS

Table with 4 columns: Time, Pressure, Pipe Temperature, Ambient Temperature. Rows show data from 2:15:00 PM to 6:30:00 PM.

Completed Test Results: Passed

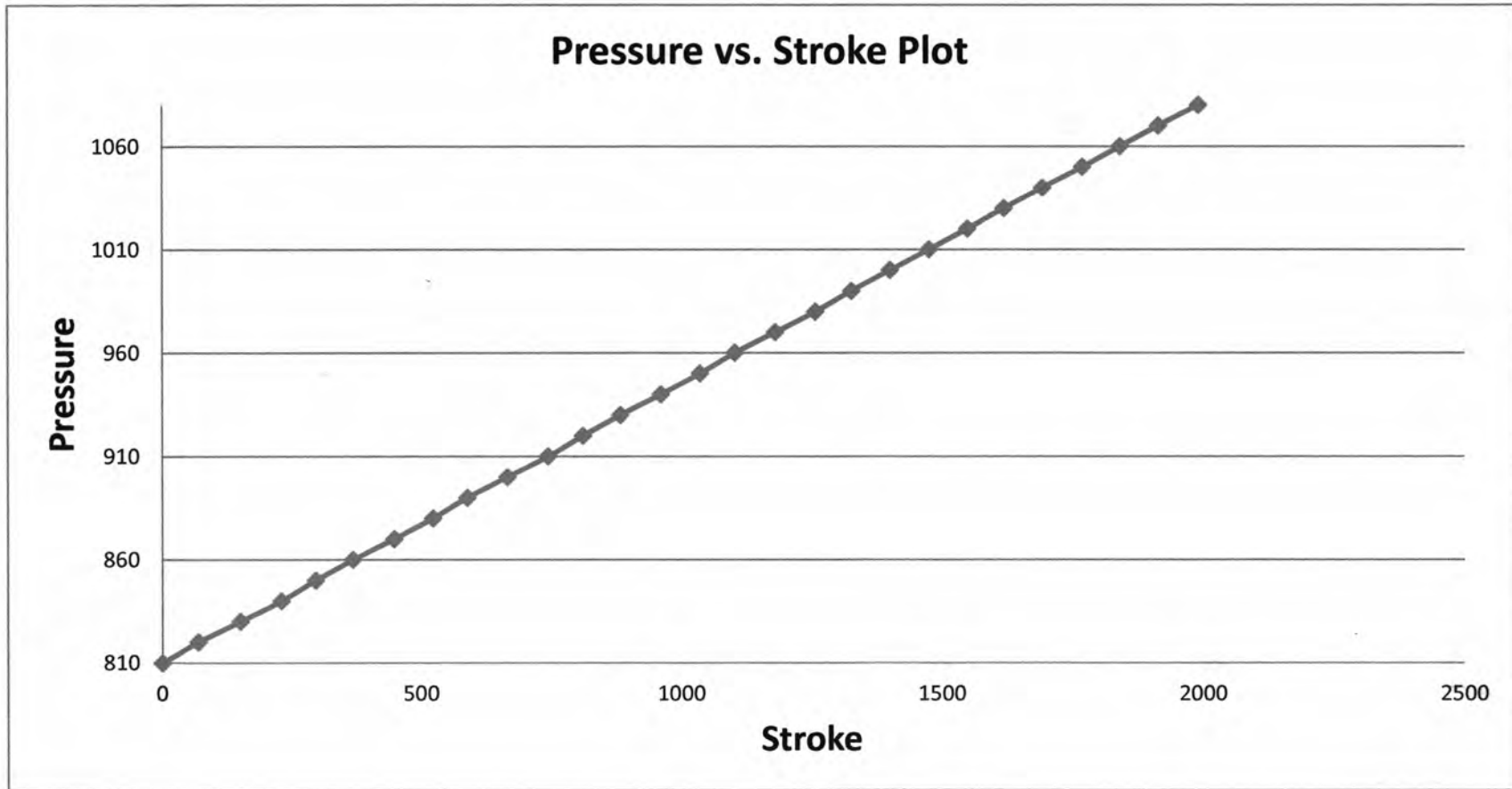
Inspector's Signature: Sam Gann Tjinspection [Signature] Date: 05/19/19

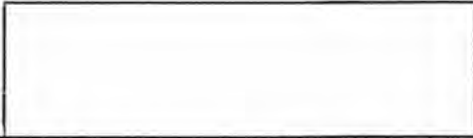
Contractor Representative: Jonathan Moran Bobcat Contracting [Signature] Date: 05/19/19



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 1721 HCR 3106
 Hillsboro, Texas 76645
 Office: 254-582-0205
BobcatContracting.com

Hydrotest Log						
Asset Owner:	Atmos		PO/AFE:	180.4209		
Contractor:	BOBCAT		Location:	CR 543 Nevada, TX		
Job Number:	ATM-2017		Date:	5/19/2019		
Instrumentation Data						
Deadweights:	S/N:	5403	Mfg:	Refinery	Calibration Date:	1/25/2019
Pressure Recorder:	S/N:	8594	Mfg:	Tech-Cal	Calibration Date:	1/25/2019
Ambient Temp:	S/N:	8590	(L) Mfg:	Tech-Cal	Calibration Date:	1/25/2019
Pipe Temp:	S/N:	8591	(H) Mfg:	Tech-Cal	Calibration Date:	1/25/2019
Ground Temp:	S/N:	9177	(M) Mfg:	Tech-Cal	Calibration Date:	1/25/2019
Digital Gauge:	S/N:		Mfg:		Calibration Date:	
Facility Data						
Minimum Test Pressure:	1040		Maximum Test Pressure:	1090		
Begin Station No. :	1215+83	End Station No. :	1759+47	Total Footage:	54,364	
Test Pump Used:	Kill Truck		Gallons Per Stroke:	0.97085		
Hydrostatic Test Field Data						
Time:	Pressure	Ambient	Pipe	Ground	Comments / Remarks	
6:05:00 AM	0-275	72	67	67	Begin applying pressure/ HOLD	
6:40:00 AM	274-542	72	65	67	Begin applying pressure/ HOLD	
7:18:00 AM	541-810	72	65	67	Begin applying pressure/ HOLD	
8:15:00 AM	810-1080	79	67	67	Begin applying pressure/ HOLD	
8:45:00 AM	1080	81	68	67	Hold	
9:00:00 AM	1080	82	68	67	Hold	
9:15:00 AM	1079	83	68	67	Begin 8 Hour Test	
9:30:00 AM	1079	83	69	67	Sunny/Clear Humid	
9:45:00 AM	1079	83	69	67	Sunny/Clear Humid	
10:00:00 AM	1079	83	69	67	Sunny/Clear Humid	
10:15:00 AM	1079	83	70	67	Sunny/Clear Humid	
10:30:00 AM	1078	85	70	67	Sunny/Clear Humid	
10:45:00 AM	1078	85	71	67	Sunny/Clear Humid	
11:00:00 AM	1078	87	72	67	Sunny/Clear Humid	
11:15:00 AM	1077	85	72	67	Sunny/Clear Humid	
11:30:00 AM	1077	85	72	67	Sunny/Clear Humid	
11:45:00 AM	1077	84	73	67	Sunny/Clear Humid	
12:00:00 PM	1077	85	73	67	Sunny/Clear Humid	
12:15:00 PM	1077	87	74	67	Sunny/Clear Humid	
12:30:00 PM	1077	87	74	67	Sunny/Clear Humid	
12:45:00 PM	1076	87	74	67	Sunny/Clear Humid	
1:00:00 PM	1076	87	75	67	Sunny/Clear Humid	
1:15:00 PM	1076	86	75	67	Sunny/Clear Humid	
1:30:00 PM	1076	86	75	67	Sunny/Clear Humid	
1:45:00 PM	1076	87	76	67	Sunny/Clear Humid	





Pressure Test Stroke Count


Owner	Atmos		AFE/Auth	180.4209	
Contractor	Bobcat		Project Name	D-17 Phase 4	
Owner's Rep / Insp	William Gann		Location	CR 543 Nevada, TX	
Service	Natural Gas				
+/-	54,364	ft	24 "OD	0.281 "wt	x-52 gr
+/-	77	ft	1 "OD	0.179 "wt	A106Bgr
+/-		ft	"OD	"wt	gr
+/-		ft	"OD	"wt	gr
+/-		ft	"OD	"wt	gr
+/-		ft	"OD	"wt	gr
From Station	1215+83	To Station	1759+47	Pressure Pump Capacity	0.97085 gals/stroke
From Station		To Station		Calculated Incremental Volume	56.78 gals/reading
From Station		To Station		Actual Incremental Volume	71.55 gals/reading

Pipeline Fill Field Data

Pressure	Stroke	Difference	Pressure	Stroke	Difference	Pressure	Stroke	Difference
810	0				#N/A			#N/A
820	70	70			#N/A			#N/A
830	151	81			#N/A			#N/A
840	230	79			#N/A			#N/A
850	296	66			#N/A			#N/A
860	368	72			#N/A			#N/A
870	447	79			#N/A			#N/A
880	522	75			#N/A			#N/A
890	588	66			#N/A			#N/A
900	665	77			#N/A			#N/A
910	743	78			#N/A			#N/A
920	810	67			#N/A			#N/A
930	882	72			#N/A			#N/A
940	960	78			#N/A			#N/A
950	1035	75			#N/A			#N/A
960	1102	67			#N/A			#N/A
970	1179	77			#N/A			#N/A
980	1256	77			#N/A			#N/A
990	1325	69			#N/A			#N/A
1000	1399	74			#N/A			#N/A
1010	1474	75			#N/A			#N/A
1020	1548	74			#N/A			#N/A
1030	1618	70			#N/A			#N/A
1040	1692	74			#N/A			#N/A
1050	1768	76			#N/A			#N/A
1060	1840	72			#N/A			#N/A
1070	1913	73			#N/A			#N/A
1080	1990	77			#N/A			#N/A
					#N/A			#N/A

Total Volume Pumped 1932 gals Total Pressure Increase 270 psi Double Deviation? Yes or No NO

Actual Incremental Pressure (Total Volume Pumped / Total Pressure Increase X Reading Increments) 71.55 gals/increme

x 
for Owner

x  5-19-19
For Bobcat