



# ULTRASONIC CORROSION SURVEY

Survey Name: **SIGNALTA RESOURCES**

Report Number: 208

Survey Date: 2/12/13

LSD: 13-14-042-16W4	Dwg: 66	Vessel Number: 210811	Manufacturer: PROPAK SYSTEMS	Inspector: F. ORELLANA
District Unit: FORESTBURG		Vessel Name: INLET SEPARATOR	Serial Number: 84122-A	Process:
Location: PLANT		Year Built: 1984	Shell MAWP PSI: 700 MAWT F: 150	
Skid:		Tag Number: V-100	Tube MAWP PSI: 0 MAWT F: 0	
		CRN: E 9955.2	Vessel CA: 0.1250	

Band	Description	Ref	Baseline	Previous	Current	Next Inspection	Nominal	TMIN	ST Loss	LT Loss	Recommended
						Material	CA		MPY	MPY	Retirement
											Date
00	- Head	Ref	2013	1.2600	2013	1.2600	2014	1.1250	0.8685		
Shape	Ellipsoidal	Min		1.2500		1.2500	SA 516 - 70	0.1250			
OD	45.5	Avg		1.2550		1.2550					
Spec.	VIII Div 1										Comments:
05	- Shell	Ref	2013	1.2990	2013	1.2990	2014	1.2500	0.8811		
Shape	Cylindrical	Min		1.2880		1.2880	SA 516 - 70	0.1250			
OD	45.5	Avg		1.2960		1.2960					
Spec.	VIII Div 1										Comments:
10	- Shell	Ref	2013	1.2960	2013	1.2960	2014	1.2500	0.8811		
Shape	Cylindrical	Min		1.2860		1.2860	SA 516 - 70	0.1250			
OD	45.5	Avg		1.2970		1.2970					
Spec.	VIII Div 1										Comments:
15	- Shell	Ref	2013	1.3050	2013	1.3050	2014	1.2500	0.8811		
Shape	Cylindrical	Min		1.2920		1.2920	SA 516 - 70	0.1250			
OD	45.5	Avg		1.3050		1.3050					
Spec.	VIII Div 1										Comments:



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Location:	PLANT		Year Built: 1984	Shell MAWP PSI: 700    MAWT F: 150	
Skid:			Tag Number: V-100	Tube MAWP PSI: 0    MAWT F: 0	
			CRN: E 9955.2	Vessel CA: 0.1250	

Band	Description	Ref	Baseline	Previous	Current	Next Inspection	Nominal	TMIN	ST Loss	LT Loss	Recommended
						Material	CA		MPY	MPY	Retirement
											Date
20	- Shell	Ref	2013	1.3020	2013	1.3020	2014	1.2500	0.8811		
Shape	Cylindrical	Min		1.2980		1.2980	SA 516 - 70	0.1250			
OD	45.5	Avg		1.3090		1.3090					
Spec.	VIII Div 1										Comments:
25	- Shell	Ref	2013	1.2990	2013	1.2990	2014	1.2500	0.8811		
Shape	Cylindrical	Min		1.2840		1.2840	SA 516 - 70	0.1250			
OD	45.5	Avg		1.2990		1.2990					
Spec.	VIII Div 1										Comments:
30	- Head	Ref	2013	1.2590	2013	1.2590	2014	1.1250	0.8685		
Shape	Ellipsoidal	Min		1.2450		1.2450	SA 516 - 70	0.1250			
OD	45.5	Avg		1.2690		1.2690					
Spec.	VIII Div 1										Comments:
35	Boot - Shell	Ref	2013	0.5390	2013	0.5390	2014				
Shape	Cylindrical	Min		0.5100		0.5100	SA 285 - C	0.0000			
OD	12.75	Avg		0.5390		0.5390					
Spec.	VIII Div 1										Comments:



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District Unit:	FORESTBURG		Vessel Name: INLET SEPARATOR	Serial Number: 84122-A	Process:
Location:	PLANT		Year Built: 1984	Shell MAWP PSI: 700	MAWT F: 150
Skid:			Tag Number: V-100	Tube MAWP PSI: 0	MAWT F: 0
			CRN: E 9955.2	Vessel CA: 0.1250	

Band	Description		Baseline	Previous	Current	Next Inspection Material	Nominal CA	TMIN	ST Loss MPY	LT Loss MPY	Recommended Retirement Date
40	Boot - Head	Ref	2013	0.5490	2013	0.5490	2014				
Shape	Ellipsoidal	Min		0.5080		0.5080	SA 285 - C	0.0000			
OD	12.75	Avg		0.5330		0.5330					
Spec.	VIII Div 1							Comments:			
45	- Piping	Ref	2013	0.3310	2013	0.3310	2014	0.3430	0.0466		
Shape	90° Elbow	Min		0.3290		0.3290	A 234 - WPB	0.0429			
OD	2.375	Avg		0.3520		0.3520					
Spec.	B31.3							Comments:			
50	- Piping	Ref	2013	0.4660	2013	0.4660	2014	0.5000	0.1691		
Shape	90° Elbow	Min		0.4560		0.4560	A 234 - WPB	0.0625			
OD	8.625	Avg		0.4600		0.4600					
Spec.	B31.3							Comments:			
55	- Nozzle	Ref	2013	0.4830	2013	0.4830	2014	0.5000	0.1835		
Shape	90° Elbow	Min		0.4490		0.4490	SA 234 - WPB	0.0625			
OD	8.625	Avg		0.4750		0.4750					
Spec.	VIII Div 1							Comments:			



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Location: PLANT		Year Built: 1984	Shell MAWP PSI: 700	MAWT F: 150
Skid:		Tag Number: V-100	Tube MAWP PSI: 0	MAWT F: 0
		CRN: E 9955.2	Vessel CA: 0.1250	

Band	Description	Ref	Baseline	Previous	Current	Next Inspection	Nominal CA	TMIN	ST Loss MPY	LT Loss MPY	Recommended Retirement Date
60	- Piping	Ref	2013	0.1970	2013	0.1970	2014	0.2180	0.0466		
Shape	90° Elbow	Min		0.1780	0.1780	A 234 - WPB	0.0272				
OD	2.375	Avg		0.2040	0.2040		<b>Caution</b>				
Spec.	B31.3						Comments:				
65	- Piping	Ref	2013	0.1850	2013	0.1850	2014	0.2180	0.0466		
Shape	90° Elbow	Min		0.1790	0.1790	A 234 - WPB	0.0272				
OD	2.375	Avg		0.1870	0.1870		<b>Caution</b>				
Spec.	B31.3						Comments:				
70	- Piping	Ref	2013	0.3040	2013	0.3040	2014	0.3220	0.1691		
Shape	90° Elbow	Min		0.2990	0.2990	A 234 - WPB	0.0402				
OD	8.625	Avg		0.3160	0.3160						
Spec.	B31.3						Comments:				
75	- Piping	Ref	2013	0.3560	2013	0.3560	2014	0.3370	0.0882		
Shape	Straight	Min		0.3290	0.3290	A 106 - B	0.0421				
OD	4.5	Avg		0.3570	0.3570						
Spec.	B31.3						Comments:				