



# Ultrasonic Corrosion Survey

Survey Name: BARRICK ENERGY INC.

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**LSD:** 08-05-072-26W5 **Dwg#:** 1 **Vessel Number:** A2638748 **Manufacturer:** NUSCO **Survey Date:** 12/10/2010  
**Survey Name:** BARRICK ENERGY INC. **Vessel Name:** SEPARATOR **Serial Number:** 8814-02 **Inspector:** MWS  
**District Unit:** NORTHERN ALBERTA **Year Built:** 1990 **Shell MAWP PSI:** 250 **MAWT\_F:** 100 **Process:** SWEET  
**Location:** PUSKWA **Tag Number:** - **Tube MAWP PSI:** 0 **MAWT\_F:** 0 **Project Number:** C20438  
**Skid:** PKG50493 **CRN:** K0965.2 **Vessel CA:** 0.063

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Band	Description			Readings						Year	Avg	Min	Recommended Next Inspection	Nominal	CA	T-Min	Recommended Retirement Date
				1	2	3	4	5	6								
1-05	Top	Head	Baseline	0.376	0.373	0.373	0.375	0.373	0.363	2011	0.372	0.363	2012	0.3750	0.063	0.2092	2030
Shape	Ellipsoidal Shell		Previous										Comments:				
OD	30		Current	0.376	0.373	0.373	0.375	0.373	0.363	2011	0.372	0.363					
Spec	VIII Div 1		Short Term Loss MPY:														
Material	SA 516 - 70		Long Term Loss MPY:									0.000	OK				
1-10	Upper	Shell	Baseline	0.370	0.373	0.373	0.373	0.376	0.375	2011	0.373	0.370	2012	0.3750	0.063	0.2107	2030
Shape	Cylindrical Shell		Previous										Comments:				
OD	30		Current	0.370	0.373	0.373	0.373	0.376	0.375	2011	0.373	0.370					
Spec	VIII Div 1		Short Term Loss MPY:														
Material	SA 516 - 70		Long Term Loss MPY:									0.000	OK				
1-15	Mid	Shell	Baseline	0.363	0.365	0.367	0.361	0.364	0.368	2011	0.365	0.361	2012	0.3750	0.063	0.2107	2030
Shape	Cylindrical Shell		Previous										Comments:				
OD	30		Current	0.363	0.365	0.367	0.361	0.364	0.368	2011	0.365	0.361					
Spec	VIII Div 1		Short Term Loss MPY:														
Material	SA 516 - 70		Long Term Loss MPY:									0.000	OK				
1-20	Lower	Shell	Baseline	0.369	0.368	0.360	0.363	0.361	0.360	2011	0.364	0.360	2012	0.3750	0.063	0.2107	2030
Shape	Cylindrical Shell		Previous										Comments:				
OD	30		Current	0.369	0.368	0.360	0.363	0.361	0.360	2011	0.364	0.360					
Spec	VIII Div 1		Short Term Loss MPY:														
Material	SA 516 - 70		Long Term Loss MPY:									0.000	OK				
1-25	Bottom	Head	Baseline	0.376	0.387	0.369	0.374	0.370	0.376	2011	0.375	0.369	2012	0.3750	0.063	0.2092	2030
Shape	Ellipsoidal Shell		Previous										Comments:				
OD	30		Current	0.376	0.387	0.369	0.374	0.370	0.376	2011	0.375	0.369					
Spec	VIII Div 1		Short Term Loss MPY:														
Material	SA 516 - 70		Long Term Loss MPY:									0.000	OK				

<b>1-30</b>	Drain	Nozzle	<b>Baseline</b>	0.262	0.331	0.301	0.322	0.310	0.258	2011	0.297	0.258	2012	0.3430	0.063	0.0143	2030	
<b>Shape</b>	90° Elbow Shell		<b>Previous</b>										<b>Comments:</b>					
<b>OD</b>	2.375		<b>Current</b>	0.262	0.331	0.301	0.322	0.310	0.258	2011	0.297	0.258						
<b>Spec</b>	VIII Div 1		<b>Short Term Loss MPY:</b>															
<b>Material</b>	SA 234 - WPB		<b>Long Term Loss MPY:</b>										0.000	<a href="#">Caution</a>				