



Ultrasonic Corrosion Survey (Imperial Units)

Survey Name: TALISMAN ENERGY LTD.

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LSD: 04-02-075-07W6

Dwg#:146

Survey Name: TALISMAN ENERGY LTD.

District Unit: GPOU

Location: TEEPEE CREEK FIELD

Skid: SKD0622

Vessel Number: A3084993

Vessel Name: LINE HEATER - PIPING

Year Built: 1995

Tag Number: -

CRN: M6298.2

Manufacturer: ALCO GAS & OIL

Serial Number: 95C-5365-03A

Shell MAWP PSI: 3375 MAWT F: 200

Tube MAWP PSI: 2025 MAWT F: 200

Vessel CA: 0

Survey Date: 27/02/2008

Inspector: DUANE PAETKAU

Process: SOUR

Project Number: C10178

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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								
146-05	Piping	Baseline	0.141	0.141	0.143	0.141	0.141	0.143	2008	0.142	0.141	2009	0.1540	0.0192	0.0466	2028
Shape	90° Elbow Shell	Previous										Comments:				
OD	2.375	Current	0.141	0.141	0.143	0.141	0.141	0.143	2008	0.142	0.141	CALCULATED @ 800 PSI				
Spec	B31.3	Short Term Loss MPY:														
Material	A 234 - WPB	Long Term Loss MPY:						0				OK				
146-10	Piping	Baseline	0.135	0.138	0.140	0.136	0.141	0.138	2008	0.138	0.135	2009	0.1540	0.0192	0.0466	2028
Shape	90° Elbow Shell	Previous										Comments:				
OD	2.375	Current	0.135	0.138	0.140	0.136	0.141	0.138	2008	0.138	0.135	CALCULATED @ 800 PSI				
Spec	B31.3	Short Term Loss MPY:														
Material	A 234 - WPB	Long Term Loss MPY:						0				OK				
146-15	Piping	Baseline	0.144	0.143	0.141	0.142	0.143	0.138	2008	0.142	0.138	2009	0.1540	0.0192	0.0466	2028
Shape	90° Elbow Shell	Previous										Comments:				
OD	2.375	Current	0.144	0.143	0.141	0.142	0.143	0.138	2008	0.142	0.138	CALCULATED @ 800 PSI				
Spec	B31.3	Short Term Loss MPY:														
Material	A 234 - WPB	Long Term Loss MPY:						0				OK				
146-20	Piping	Baseline	0.151	0.150	0.154	0.154	0.156	0.153	2008	0.153	0.150	2009	0.1540	0.0192	0.0466	2028
Shape	Cylindrical Shell	Previous										Comments:				
OD	2.375	Current	0.151	0.150	0.154	0.154	0.156	0.153	2008	0.153	0.150	CALCULATED @ 800 PSI				
Spec	B31.3	Short Term Loss MPY:														
Material	A 106 - B	Long Term Loss MPY:						0				OK				
146-25	Piping	Baseline	0.146	0.147	0.147	0.148	0.144	0.144	2008	0.146	0.144	2009	0.1540	0.0192	0.0466	2028
Shape	90° Elbow Shell	Previous										Comments:				
OD	2.375	Current	0.146	0.147	0.147	0.148	0.144	0.144	2008	0.146	0.144	CALCULATED @ 800 PSI				
Spec	B31.3	Short Term Loss MPY:														
Material	A 234 - WPB	Long Term Loss MPY:						0				OK				

146-30	Piping	Baseline	0.201	0.195	0.193	0.194	0.194	0.205	2008	0.197	0.193	2009	0.2180	0.0272	0.1848	2028	
Shape	90° Elbow Shell	Previous										Comments:					
OD	2.375	Current	0.201	0.195	0.193	0.194	0.194	0.205	2008	0.197	0.193	CALCULATED @ 3375 PSI					
Spec	B31.3	Short Term Loss MPY:															
Material	A 234 - WPB	Long Term Loss MPY:										0	OK				
146-35	Piping	Baseline	0.175	0.175	0.171	0.173	0.174	0.174	2008	0.174	0.171	2008	0.2180	0.0272	0.1848	2008	
Shape	90° Elbow Shell	Previous										Comments:					
OD	2.375	Current	0.175	0.175	0.171	0.173	0.174	0.174	2008	0.174	0.171	CALCULATED @ 3375 PSI TMIN @ 1350 PSI=.0775"					
Spec	B31.3	Short Term Loss MPY:										PIPING LINKED TO PSV MWS69101 SET@ 1350 PSI					
Material	A 234 - WPB	Long Term Loss MPY:										0	Critical				
146-40	Piping	Baseline	0.204	0.201	0.199	0.200	0.203	0.203	2008	0.202	0.199	2009	0.2180	0.0272	0.1848	2028	
Shape	90° Elbow Shell	Previous										Comments:					
OD	2.375	Current	0.204	0.201	0.199	0.200	0.203	0.203	2008	0.202	0.199	CALCULATED @ 3375 PSI					
Spec	B31.3	Short Term Loss MPY:															
Material	A 234 - WPB	Long Term Loss MPY:										0	OK				
146-45	Piping	Baseline	0.220	0.217	0.212	0.216	0.219	0.217	2008	0.217	0.212	2009	0.2160	0.027	0.1686	2028	
Shape	90° Elbow Tube	Previous										Comments:					
OD	3.5	Current	0.220	0.217	0.212	0.216	0.219	0.217	2008	0.217	0.212	CALCULATED @ 2025 PSI					
Spec	B31.3	Short Term Loss MPY:															
Material	A 234 - WPB	Long Term Loss MPY:										0	OK				
146-50	Piping	Baseline	0.186	0.183	0.181	0.185	0.183	0.181	2008	0.183	0.181	2009	0.2160	0.027	0.1686	2028	
Shape	90° Elbow Tube	Previous										Comments:					
OD	3.5	Current	0.186	0.183	0.181	0.185	0.183	0.181	2008	0.183	0.181	CALCULATED @ 2025 PSI					
Spec	B31.3	Short Term Loss MPY:															
Material	A 234 - WPB	Long Term Loss MPY:										0	Caution				
146-55	Piping	Baseline	0.220	0.219	0.225	0.226	0.224	0.226	2008	0.223	0.219	2009	0.2160	0.027	0.1686	2028	
Shape	90° Elbow Tube	Previous										Comments:					
OD	3.5	Current	0.220	0.219	0.225	0.226	0.224	0.226	2008	0.223	0.219	CALCULATED @ 2025 PSI					
Spec	B31.3	Short Term Loss MPY:															
Material	A 234 - WPB	Long Term Loss MPY:										0	OK				
146-60	Piping	Baseline	0.223	0.221	0.217	0.216	0.217	0.219	2008	0.219	0.216	2009	0.2160	0.027	0.1686	2028	
Shape	90° Elbow Tube	Previous										Comments:					
OD	3.5	Current	0.223	0.221	0.217	0.216	0.217	0.219	2008	0.219	0.216	CALCULATED @ 2025 PSI					
Spec	B31.3	Short Term Loss MPY:															
Material	A 234 - WPB	Long Term Loss MPY:										0	OK				