NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D)
No. 5, Jalan Anggerik Mokara 31/45, Seksyen 31, Kota Kemuning, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia.
Tel: 03-5122 9766/7/8 Fax: 03-5122 8766/7 E-mail: info@nusatek.com

Our Ref. : NT/103387/18-10

Report No: NDT/RT/180326-01/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Dermaga Oil & Gas Sdn.Bhd.	Procedure No:	NT/G/RT/API Rev.2
		IQI type :	ASTM 1A
Project :	DER / WPS / 0101-011	Film Manufacturer/Type :	FUJI 100(class II)
		Density :	2.0 - 3.5
		Sensitivity:	0.20mm(2 wires visible)
Material:	SA 106 Gr.B	Source to Object Distance :	400mm
		Source Side of Object to Film Distance:	(60.3mm)
Welding Process :	GTAW	No of Radiograph(exposure) :	Single Exposure
Examination Code :	API 1104	No. of Film Each Cassette :	1 Film
Acceptance Code:	API 1104 Edition 2013	Radiographic Technique :	DWDI
		Film Viewing Technique :	Double Wall Viewing
Examination Date:	04 April 2018	Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference (Welder No)	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Mohamad Mahhayudin Bin Mohamed 840907-11-5511								
TP - 1	8.54	3	60.3	5.54	X	Por	Accept	
6G					Y	Por	Accept	
TP - 2	8.54	3	60.3	5.54	X	Por	Accept	
6G					Y	Sur	Accept	
TP - 3	8.54	3	60.3	5.54	X	Con	Accept	
6G					Y	Sur	Accept	AR

End Of Report

Legend:

TI : Tungsten Inclusion	*NRI : No Relevant Indication*	*Uc : Undercut*	*Por : Porosity*	*WT : Weld Thickness*
SI : Slag Inclusion	*LP : Lack of Penetration*	*Con : Concavity*	*BT : Burn Through*	*RT : Reinforcement Thickness*
LF : Lack of Fusion	*EP : Excess Penetration*	*AR : Artifact*	*Sur : Surface*	

Personnel Particulars

Radiographer :	Emirsham - NDT Lev. II	Client Representative:	
Interpreted & Evaluated By:	Amat Hamidi - NDT Lev.II	Name:	
Date:	05 April 2018	Date:	

NUSANTARA TECHNOLOGIES SDN. BHD. * (187753-D) * NDT Division

NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D)
No. 5, Jalan Anggerik Mokara 31/45, Seksyen 31, Kota Kemuning, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia.
Tel: 03-5122 9766/7/8 Fax: 03-5122 8766/7 E-mail: info@nusatek.com

Our Ref. : NT/103387/18-10

Report No: NDT/RT/180326-02/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Dermaga Oil & Gas Sdn.Bhd.	Procedure No:	NT/G/RT/API Rev.2
Project :	DER / WPS / 0101-011	IQI type :	ASTM 1A
		Film Manufacturer/Type :	FUJI 100(class II)
		Density :	2.0 - 3.5
Material:	SA 106 Gr.B	Sensitivity:	0.20mm(2 wires visible)
		Source to Object Distance :	400mm
		Source Side of Object to Film Distance:	(60.3mm)
Welding Process :	GTAW	No of Radiograph(exposure) :	Single Exposure
Examination Code :	API 1104	No. of Film Each Cassette :	1 Film
Acceptance Code:	API 1104 Edition 2013	Radiographic Technique :	DWDI
		Film Viewing Technique :	Double Wall Viewing
Examination Date:	04 April 2018	Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference (Welder No)	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Yusof Bin Mohd 831018-11-5365								
TP - 1	8.54	3	60.3	5.54	X	NRI	Accept	
6G					Y	Por	Accept	
TP - 2	8.54	3	60.3	5.54	X	NRI	Accept	
6G					Y	NRI	Accept	
TP - 3	8.54	3	60.3	5.54	X	NRI	Accept	
6G					Y	Por	Accept	

End Of Report

Legend:

TI : Tungsten Inclusion	*NRI : No Relevant Indication*	*Uc : Undercut*	*Por : Porosity*	*WT : Weld Thickness*
SI : Slag Inclusion	*LP : Lack of Penetration*	*Con : Concavity*	*BT : Burn Through*	*RT : Reinforcement Thickness*
LF : Lack of Fusion	*EP : Excess Penetration*	*AR : Artifact*	*Sur : Surface*	

Personnel Particulars

Radiographer : Emirsham - NDT Lev. II

Interpreted & Evaluated By: Amat Hamidi - NDT Lev.II

Date: 05 April 2018

NUSANTARA TECHNOLOGIES SDN. BHD. * (187753-D) * NDT Division

Client Representative:

Name:

Date:

NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D)
No. 5, Jalan Anggerik Mokara 31/45, Seksyen 31, Kota Kemuning, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia.
Tel: 03-5122 9766/7/8 Fax: 03-5122 8766/7 E-mail: info@nusatek.com

Our Ref. : NT/103387/18-10

Report No: NDT/RT/180326-03/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Dermaga Oil & Gas Sdn.Bhd.	Procedure No:	NT/G/RT/API Rev.2
		IQI type :	ASTM 1A
Project :	DER / WPS / 0101-012	Film Manufacturer/Type :	FUJI 100(class II)
		Density :	2.0 - 3.5
		Sensitivity:	0.20mm(2 wires visible)
Material:	SA 106 Gr.B	Source to Object Distance :	400mm
		Source Side of Object to Film Distance:	(33.4mm)
Welding Process :	GTAW	No of Radiograph(exposure) :	Single Exposure
Examination Code :	API 1104	No. of Film Each Cassette :	1 Film
Acceptance Code:	API 1104 Edition 2013	Radiographic Technique :	DWDI
		Film Viewing Technique :	Double Wall Viewing
Examination Date:	04 April 2018	Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference (Welder No)	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Yusof Bin Mohd 831018-11-5365								
TP - 1 6G	9.35	3	33.4	6.35	X	NRI	Accept	
					Y	Por	Accept	
					Z	NRI	Accept	
TP - 2 6G	9.35	3	33.4	6.35	X	NRI	Accept	
					Y	NRI	Accept	
					Z	NRI	Accept	
TP - 3 6G	9.35	3	33.4	6.35	X	NRI	Accept	
					Y	NRI	Accept	
					Z	NRI	Accept	

End Of Report

Legend:

TI : Tungsten Inclusion	*NRI : No Relevant Indication*	*Uc : Undercut*	*Por : Porosity*	*WT : Weld Thickness*
SI : Slag Inclusion	*LP : Lack of Penetration*	*Con : Concavity*	*BT : Burn Through*	*RT : Reinforcement Thickness*
LF : Lack of Fusion	*EP : Excess Penetration*	*AR : Artifact*	*Sur : Surface*	

Personnel Particulars

Radiographer : Emirsham - NDT Lev. II

Interpreted & Evaluated By: Amat Hamidi - NDT Lev.II

Date: 05 April 2018

NUSANTARA TECHNOLOGIES SDN. BHD. * (187753-D) * NDT Division

Client Representative:

Name:

Date:

NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D)
No. 5, Jalan Anggerik Mokara 31/45, Seksyen 31, Kota Kemuning, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia.
Tel: 03-5122 9766/7/8 Fax: 03-5122 8766/7 E-mail: info@nusatek.com

Our Ref. : NT/103387/18-10

Report No: NDT/RT/180326-04/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Dermaga Oil & Gas Sdn.Bhd.	Procedure No:	NT/G/RT/API Rev.2
Project :	DER / WPS / 0101-012	IQI type :	ASTM 1A
		Film Manufacturer/Type :	FUJI 100(class II)
		Density :	2.0 - 3.5
Material:	SA 106 Gr.B	Sensitivity:	0.20mm(2 wires visible)
		Source to Object Distance :	400mm
		Source Side of Object to Film Distance:	(33.4mm)
Welding Process :	GTAW	No of Radiograph(exposure) :	Single Exposure
Examination Code :	API 1104	No. of Film Each Cassette :	1 Film
Acceptance Code:	API 1104 Edition 2013	Radiographic Technique :	DWDI
		Film Viewing Technique :	Double Wall Viewing
Examination Date:	04 April 2018	Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference (Welder No)	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Yusof Bin Mohd 831018-11-5365								
TP - 4 6G	9.35	3	33.4	6.35	X	Sur / Por	Accept	
					Y	NRI	Accept	
					Z	NRI	Accept	
TP - 5 6G	9.35	3	33.4	6.35	X	Por	Accept	
					Y	NRI	Accept	
					Z	Por / Sur	Accept	

End Of Report

Legend:

TI : Tungsten Inclusion	*NRI : No Relevant Indication*	*Uc : Undercut*	*Por : Porosity*	*WT : Weld Thickness*
SI : Slag Inclusion	*LP : Lack of Penetration*	*Con : Concavity*	*BT : Burn Through*	*RT : Reinforcement Thickness*
LF : Lack of Fusion	*EP : Excess Penetration*	*AR : Artifact*	*Sur : Surface*	

Personnel Particulars

Radiographer : Emirsham - NDT Lev. II

Interpreted & Evaluated By: Amat Hamidi - NDT Lev.II

Date: 05 April 2018

NUSANTARA TECHNOLOGIES SDN. BHD. * (187753-D) * NDT Division

Client Representative:

Name:

Date:

NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D)
No. 5, Jalan Anggerik Mokara 31/45, Seksyen 31, Kota Kemuning, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia.
Tel: 03-5122 9766/7/8 Fax: 03-5122 8766/7 E-mail: info@nusatek.com

Our Ref. : NT/103387/18-10

Report No: NDT/RT/180326-05/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Dermaga Oil & Gas Sdn.Bhd.	Procedure No:	NT/G/RT/API Rev.2
		IQI type :	ASTM 1A
Project :	DER / WPS / 0101-012	Film Manufacturer/Type :	FUJI 100(class II)
		Density :	2.0 - 3.5
		Sensitivity:	0.20mm(2 wires visible)
Material:	SA 106 Gr.B	Source to Object Distance :	400mm
		Source Side of Object to Film Distance:	(33.4mm)
Welding Process :	GTAW	No of Radiograph(exposure) :	Single Exposure
Examination Code :	API 1104	No. of Film Each Cassette :	1 Film
Acceptance Code:	API 1104 Edition 2013	Radiographic Technique :	DWDI
		Film Viewing Technique :	Double Wall Viewing
Examination Date:	04 April 2018	Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference (Welder No)	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Mohamad Mahhayudin Bin Mohamed 840907-11-5511								
TP - 2 6G	9.35	3	33.4	6.35	X	NRI	Accept	
					Y	Por	Accept	
					Z	NRI	Accept	
TP - 4 6G	9.35	3	33.4	6.35	X	NRI	Accept	
					Y	NRI	Accept	
					Z	NRI	Accept	

End Of Report

Legend:

TI : Tungsten Inclusion	*NRI : No Relevant Indication*	*Uc : Undercut*	*Por : Porosity*	*WT : Weld Thickness*
SI : Slag Inclusion	*LP : Lack of Penetration*	*Con : Concavity*	*BT : Burn Through*	*RT : Reinforcement Thickness*
LF : Lack of Fusion	*EP : Excess Penetration*	*AR : Artifact*	*Sur : Surface*	

Personnel Particulars

Radiographer :	Emirsham - NDT Lev. II		Client Representative:
Interpreted & Evaluated By:	Amat Hamidi - NDT Lev.II	NUSANTARA TECHNOLOGIES SDN. BHD. * (187753-D) * NDT Division	Name:
Date:	05 April 2018		Date:

NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D)
No. 5, Jalan Anggerik Mokara 31/45, Seksyen 31, Kota Kemuning, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia.
Tel: 03-5122 9766/7/8 Fax: 03-5122 8766/7 E-mail: info@nusatek.com

Our Ref. : NT/103387/18-10

Report No: NDT/RT/180326-06/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Dermaga Oil & Gas Sdn.Bhd.	Procedure No:	NT/G/RT/API Rev.2
		IQI type :	ASTM 1A
Project :	DER / WPS / 0101-012	Film Manufacturer/Type :	FUJI 100(class II)
		Density :	2.0 - 3.5
		Sensitivity:	0.20mm(2 wires visible)
Material:	SA 106 Gr.B	Source to Object Distance :	400mm
		Source Side of Object to Film Distance:	(33.4mm)
Welding Process :	GTAW	No of Radiograph(exposure) :	Single Exposure
Examination Code :	API 1104	No. of Film Each Cassette :	1 Film
Acceptance Code:	API 1104 Edition 2013	Radiographic Technique :	DWDI
		Film Viewing Technique :	Double Wall Viewing
Examination Date:	04 April 2018	Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference (Welder No)	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Mohamad Mahhayudin Bin Mohamed 840907-11-5511								
TP - 1 6G	9.35	3	33.4	6.35	X	Sur	Accept	
					Y	NRI	Accept	
					Z	Por	Reject	

End Of Report

Legend:

TI : Tungsten Inclusion	*NRI : No Relevant Indication*	*Uc : Undercut*	*Por : Porosity*	*WT : Weld Thickness*
SI : Slag Inclusion	*LP : Lack of Penetration*	*Con : Concavity*	*BT : Burn Through*	*RT : Reinforcement Thickness*
LF : Lack of Fusion	*EP : Excess Penetration*	*AR : Artifact*	*Sur : Surface*	

Personnel Particulars

Radiographer : Emirsham - NDT Lev. II

Interpreted & Evaluated By: Amat Hamidi - NDT Lev.II

Date: 05 April 2018

NUSANTARA TECHNOLOGIES SDN. BHD. * (187753-D) * NDT Division

Client Representative:

Name:

Date:

NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D)
No. 5, Jalan Anggerik Mokara 31/45, Seksyen 31, Kota Kemuning, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia.
Tel: 03-5122 9766/7/8 Fax: 03-5122 8766/7 E-mail: info@nusatek.com

Our Ref. : NT/103387/18-10

Report No: NDT/RT/180326-07/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Dermaga Oil & Gas Sdn.Bhd.	Procedure No:	NT/G/RT/API Rev.2
		IQI type :	ASTM 1A
Project :	DER / WPS / 0101-012	Film Manufacturer/Type :	FUJI 100(class II)
		Density :	2.0 - 3.5
		Sensitivity:	0.20mm(2 wires visible)
Material:	SA 106 Gr.B	Source to Object Distance :	400mm
		Source Side of Object to Film Distance:	(33.4mm)
Welding Process :	GTAW	No of Radiograph(exposure) :	Single Exposure
Examination Code :	API 1104	No. of Film Each Cassette :	1 Film
Acceptance Code:	API 1104 Edition 2013	Radiographic Technique :	DWDI
		Film Viewing Technique :	Double Wali Viewing
Examination Date:	04 April 2018	Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference (Welder No)	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Mohamad Mahhayudin Bin Mohamed 840907-11-5511								
TP - 5 6G	9.35	3	33.4	6.35	X	Con	Accept	
					Y	NRI	Accept	
					Z	Por	Reject	

End Of Report

Legend:

TI : Tungsten Inclusion	*NRI : No Relevant Indication*	*Uc : Undercut*	*Por : Porosity*	*WT : Weld Thickness*
SI : Slag Inclusion	*LP : Lack of Penetration*	*Con : Concavity*	*BT : Burn Through*	*RT : Reinforcement Thickness*
LF : Lack of Fusion	*EP : Excess Penetration*	*AR : Artifact*	*Sur : Surface*	

Personnel Particulars

Radiographer :	Emirsham - NDT Lev. II	Client Representative:	
Interpreted & Evaluated By:	Amat Hamidi - NDT Lev.II	Name:	
Date:	05 April 2018	Date:	

NUSANTARA TECHNOLOGIES SDN. BHD. * (187753-D) * NDT Division

NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D)
No. 5, Jalan Anggerik Mokara 31/45, Seksyen 31, Kota Kemuning, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia.
Tel: 03-5122 9766/7/8 Fax: 03-5122 8766/7 E-mail: info@nusatek.com

Our Ref. : NT/103387/18-10

Report No: NDT/RT/180326-08/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Dermaga Oil & Gas Sdn.Bhd.	Procedure No:	NT/G/RT/API Rev.2
		IQI type :	ASTM 1A
Project :	DER / WPS / 0101-012	Film Manufacturer/Type :	FUJI 100(class II)
		Density :	2.0 - 3.5
		Sensitivity:	0.20mm(2 wires visible)
Material:	SA 106 Gr.B	Source to Object Distance :	400mm
		Source Side of Object to Film Distance:	(33.4mm)
Welding Process :	GTAW	No of Radiograph(exposure) :	Single Exposure
Examination Code :	API 1104	No. of Film Each Cassette :	1 Film
Acceptance Code:	API 1104 Edition 2013	Radiographic Technique :	DWDI
		Film Viewing Technique :	Double Wall Viewing
Examination Date:	04 April 2018	Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference (Welder No)	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Mohamad Mahhayudin Bin Mohamed 840907-11-5511								
TP - 3 6G	9.35	3	33.4	6.35	X	NRI	Accept	
					Y	LF	Reject	
					Z	NRI	Accept	

End Of Report

Legend:

TI : Tungsten Inclusion	*NRI : No Relevant Indication*	*Uc : Undercut*	*Por : Porosity*	*WT : Weld Thickness*
SI : Slag Inclusion	*LP : Lack of Penetration*	*Con : Concavity*	*BT : Burn Through*	*RT : Reinforcement Thickness*
LF : Lack of Fusion	*EP : Excess Penetration*	*AR : Artifact*	*Sur : Surface*	

Personnel Particulars

Radiographer : Emirsham - NDT Lev. II

Interpreted & Evaluated By: Amat Hamidi - NDT Lev.II

Date: 05 April 2018

NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D) NDT Division

Client Representative:

Name:

Date:

NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D)
No. 5, Jalan Anggerik Mokara 31/45, Seksyen 31, Kota Kemuning, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia.
Tel: 03-5122 9766/7/8 Fax: 03-5122 8766/7 E-mail: info@nusatek.com

Our Ref. : NT/103387/18-10

Report No: NDT/RT/180326-09/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Dermaga Oil & Gas Sdn.Bhd.	Procedure No:	NT/G/RT/API Rev.2
		IQI type :	ASTM 1B
Project :	DER / WPS / 0101-010	Film Manufacturer/Type :	FUJI 100(class II)
		Density :	2.0 - 3.5
		Sensitivity:	0.33mm(5 wires visible)
Material:	SA 106 Gr.B	Source to Object Distance :	219.1mm
		Source Side of Object to Film Distance:	(12.7+3mm)
Welding Process :	GTAW / SMAW	No of Radiograph(exposure) :	Single Exposure
Examination Code :	API 1104	No. of Film Each Cassette :	1 Film
Acceptance Code:	API 1104 Edition 2013	Radiographic Technique :	DWSI
		Film Viewing Technique :	Single Wall Viewing
Examination Date:	04 April 2018	Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference (Welder No)	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Mohamad Mahhayudin Bin Mohamed								
840907-11-5511	15.7	3	219.1	12.7	0 - 1	SI / Por	Accept	
6G					1 - 2	Por	Accept	
					2 - 0	Por	Accept	

End Of Report

Legend:

TI : Tungsten Inclusion	*NRI : No Relevant Indication*	*Uc : Undercut*	*Por : Porosity*	*WT : Weld Thickness*
SI : Slag Inclusion	*LP : Lack of Penetration*	*Con : Concavity*	*BT : Burn Through*	*RT : Reinforcement Thickness*
LF : Lack of Fusion	*EP : Excess Penetration*	*AR : Artifact*	*Sur : Surface*	

Personnel Particulars

Radiographer :	Emirsham - NDT Lev. II	Client Representative:	
Interpreted & Evaluated By:	Amat Hamidi - NDT Lev.II	Name:	
Date:	05 April 2018	Date:	

NUSANTARA TECHNOLOGIES SDN. BHD. * (187753-D) * NDT Division

NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D)
No. 5, Jalan Anggerik Mokara 31/45, Seksyen 31, Kota Kemuning, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia.
Tel: 03-5122 9766/7/8 Fax: 03-5122 8766/7 E-mail: info@nusatek.com

Our Ref. : NT/103387/18-10

Report No: NDT/RT/180326-10/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Dermaga Oil & Gas Sdn.Bhd.	Procedure No:	NT/G/RT/API Rev.2
		IQI type :	ASTM 1B
Project :	DER / WPS / 0101-010	Film Manufacturer/Type :	FUJI 100(class II)
		Density :	2.0 - 3.5
		Sensitivity:	0.33mm(5 wires visible)
Material:	SA 106 Gr.B	Source to Object Distance :	219.1mm
		Source Side of Object to Film Distance:	(12.7+3mm)
Welding Process :	GTAW / SMAW	No of Radiograph(exposure) :	Single Exposure
Examination Code :	API 1104	No. of Film Each Cassette :	1 Film
Acceptance Code:	API 1104 Edition 2013	Radiographic Technique :	DWSI
		Film Viewing Technique :	Single Wall Viewing
Examination Date:	04 April 2018	Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference (Welder No)	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Yusof Bin Mohd 831018-11-5365 6G	15.7	3	219.1	12.7	0 - 1	Por	Reject	
					1 - 2	SI / Por	Reject	
					2 - 0	SI / Por	Reject	

End Of Report

Legend:

TI : Tungsten Inclusion	NRI : No Relevant Indication	Uc : Undercut	Por : Porosity	WT : Weld Thickness
SI : Slag Inclusion	LP : Lack of Penetration	Con : Concavity	BT : Burn Through	RT : Reinforcement Thickness
LF : Lack of Fusion	EP : Excess Penetration	AR : Artifact	Sur : Surface	

Personnel Particulars

Radiographer :	Emirsham - NDT Lev. II	Client Representative:	
Interpreted & Evaluated By:	Amat Hamidi - NDT Lev.II	Name:	
Date:	05 April 2018	Date:	

NUSANTARA TECHNOLOGIES SDN. BHD. * (187753-D) * NDT Division