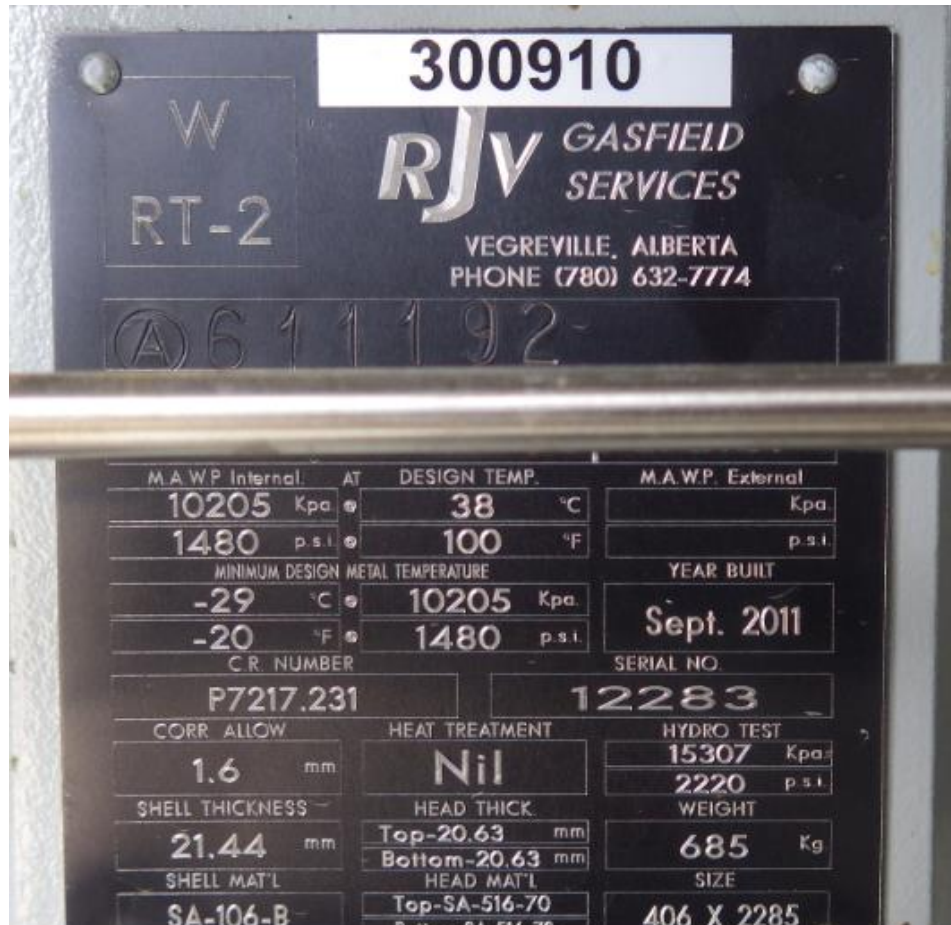
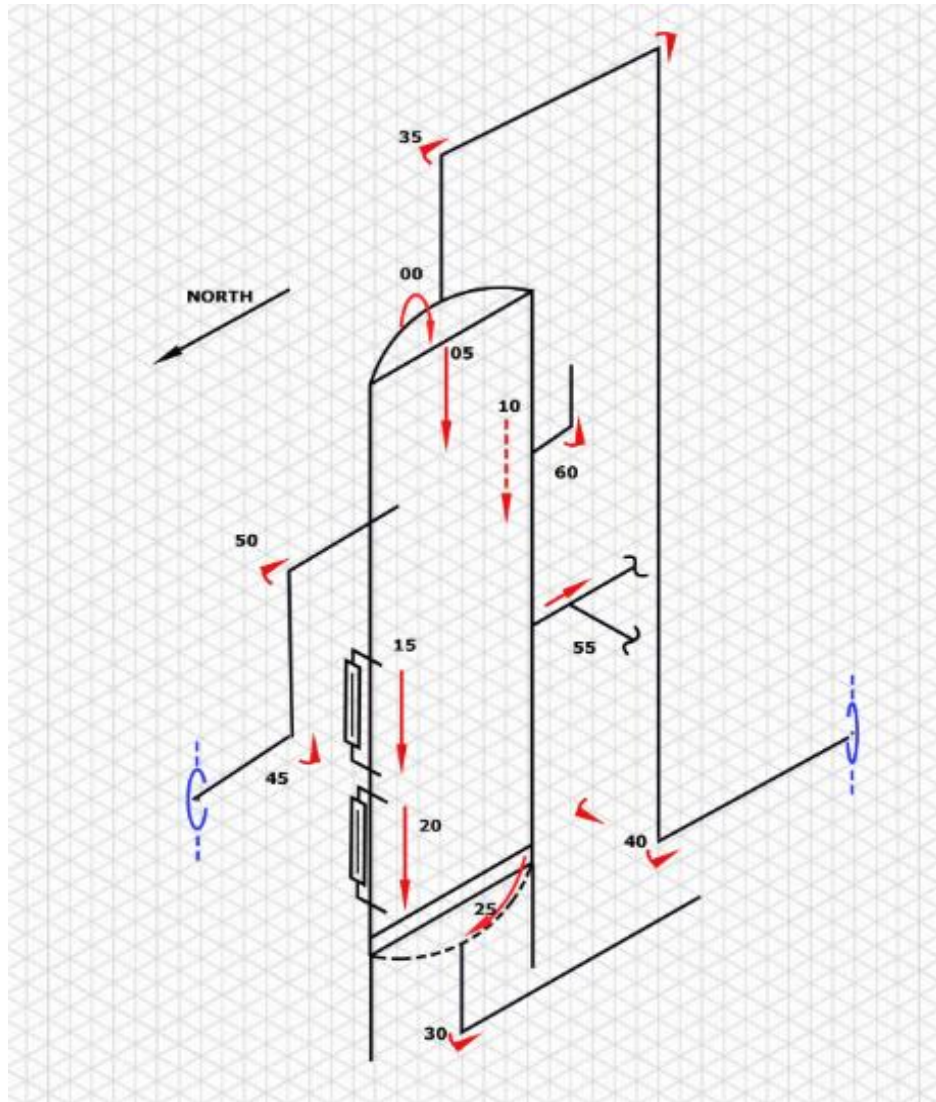




Location Name:	ANSELL GALLOWAY	LSD:	12-06-050-19W5
Jur #:	A0611192	Equipment/Tag No.	
Equipment Description:	SEPARATOR		
Manufacturer:	RJV		
Serial Number:	12283	CRN:	P7217.231
Shell MAWP:	10205	KPA	Shell Design Temp: 38 °C
Tube MAWP:		KPA	Tube Design Temp: °C
Shell Material:	A-106-B	Head Material:	SA-516-70N
Shell Thickness:	21.44	mm	Head Thickness: 20.63 mm
Corrosion Allowance:	1.6	mm	Date Built: 2011
Size:	406	mm	Pipe / Rolled Plate: PIPE
RT:	0.70		Streamline Report #: STL-190169-DMS 49

NOTES: SAP 66182387









Ultrasonic Corrosion Survey

*All values are in millimeters unless otherwise stated.

Survey Name: Husky Energy

Date: JUNE 14 2019

Streamline Report #: STL-190169-DMS 49

Inspector: TODD MCFADYEN

LSD: 12-06-050-19W5	Area: ANSELL GALLOWAY	Location: FIELD
Jur #: A0611192	Tag Number:	Vessel Name: SEPARATOR
CRN: P7217.231	Year Built: 2011	Serial Number: 12283
RT: 0.70	Vessel CA: 1.600 mm	Manufacturer: RJV
	Shell MAWP: 10205 KPA	Tube MAWP: KPA
	MAWT: 38 °C	MAWT: °C
		Pipe/Plate PIPE

CML Description	Baseline	Flange ANSI:	Material: SA-516-70N
00 HEAD	2018	CA	T Min
Shape: Ellipsoidal	Min 21.49	Flag 19.030	STCR mm/yr 0.000
OD: 406.4	Avg 22.73	Nominal 20.630	LTCR mm/yr 0.000
Spec: ASME VIII Div.1	Comments:		Remaining Life:
			Retirement Date:

CML Description	Baseline	Flange ANSI:	Material: A-106-B
05 SHELL	2018	CA	T Min
Shape: Cylindrical	Min 21.49	Flag 19.840	STCR mm/yr 0.000
OD: 406.4	Avg 22.17	Nominal 21.440	LTCR mm/yr 0.000
Spec: ASME VIII Div.1	Comments:		Remaining Life:
			Retirement Date:

CML Description	Baseline	Flange ANSI:	Material: A-106-B
10 SHELL	2018	CA	T Min
Shape: Cylindrical	Min 22.05	Flag 19.840	STCR mm/yr 0.000
OD: 406.4	Avg 22.17	Nominal 21.440	LTCR mm/yr 0.000
Spec: ASME VIII Div.1	Comments:		Remaining Life:
			Retirement Date:

CML Description	Baseline	Flange ANSI:	Material: A-106-B
15 SHELL	2018	CA	T Min
Shape: Cylindrical	Min 21.29	Flag 19.840	STCR mm/yr 0.000
OD: 406.4	Avg 21.56	Nominal 21.440	LTCR mm/yr 0.022
Spec: ASME VIII Div.1	Comments:		Remaining Life:
			Retirement Date:



Ultrasonic Corrosion Survey

*All values are in millimeters unless otherwise stated.

Survey Name: Husky Energy

Date: JUNE 14 2019

Streamline Report #: STL-190169-DMS 49

Inspector: TODD MCFADYEN

LSD: 12-06-050-19W5	Area: ANSELL GALLOWAY	Location: FIELD
Jur #: A0611192	Tag Number:	Vessel Name: SEPARATOR
CRN: P7217.231	Year Built: 2011	Serial Number: 12283
RT: 0.70	Vessel CA: 1.600 mm	Manufacturer: RJV
	Shell MAWP: 10205 KPA	Tube MAWP: KPA
	MAWT: 38 °C	MAWT: °C
		Pipe/Plate PIPE

CML Description	Baseline	Flange ANSI:	Material: A-106-B
20 SHELL	2018	CA	T Min
Shape: Cylindrical	Min 21.69	Flag 19.840	STCR mm/yr 0.000
OD: 406.4	Avg 21.92	Nominal 21.440	LTCR mm/yr 0.000
Spec: ASME VIII Div.1	Comments:		Remaining Life:
			Retirement Date:

CML Description	Baseline	Flange ANSI:	Material: SA-516-70N
25 HEAD	2018	CA	T Min
Shape: Ellipsoidal	Min 21.87	Flag 19.030	STCR mm/yr 0.000
OD: 406.4	Avg 22.50	Nominal 20.630	LTCR mm/yr 0.000
Spec: ASME VIII Div.1	Comments:		Remaining Life:
			Retirement Date:

CML Description	Baseline	Flange ANSI:	Material: SA-234-WPB
30 NOZZLE	2018	CA	T Min
Shape: 90° Elbow	Min 8.59	Flag 7.112	STCR mm/yr 0.000
OD: 60.325	Avg 8.74	Nominal 8.712	LTCR mm/yr 0.018
Spec: ASME VIII Div.1	Comments: ASSUMED NOMINAL		Remaining Life:
			Retirement Date:

CML Description	Baseline	Flange ANSI:	Material: SA-234-WPB
35 PIPING	2018	CA	T Min
Shape: 90° Elbow	Min 5.51	Flag 4.845	STCR mm/yr 0.000
OD: 60.325	Avg 5.72	Nominal 5.537	LTCR mm/yr 0.004
Spec: ASME B31.3	Comments:		Remaining Life:
			Retirement Date:



Ultrasonic Corrosion Survey

*All values are in millimeters unless otherwise stated.

Survey Name: Husky Energy

Date: JUNE 14 2019

Streamline Report #: STL-190169-DMS 49

Inspector: TODD MCFADYEN

LSD: 12-06-050-19W5	Area: ANSELL GALLOWAY	Location: FIELD
Jur #: A0611192	Tag Number:	Vessel Name: SEPARATOR
CRN: P7217.231	Year Built: 2011	Serial Number: 12283
RT: 0.70	Vessel CA: 1.600 mm	Manufacturer: RJV
	Shell MAWP: 10205 KPA	Tube MAWP: KPA
	MAWT: 38 °C	MAWT: °C
		Pipe/Plate PIPE

CML Description	Baseline	Flange ANSI:	Material: SA-234-WPB
40 PIPING	2018	CA	T Min
Shape: 90° Elbow	Min 5.61	Flag 4.845	STCR mm/yr 0.000
OD: 60.325	Avg 5.72	Nominal 5.537	LTCR mm/yr 0.000
Spec: ASME B31.3	Comments:		Remaining Life:
			Retirement Date:

CML Description	Baseline	Flange ANSI:	Material: SA-234-WPB
45 PIPING	2018	CA	T Min
Shape: 90° Elbow	Min 8.64	Flag 7.623	STCR mm/yr 0.000
OD: 60.325	Avg 8.97	Nominal 8.712	LTCR mm/yr 0.011
Spec: ASME B31.3	Comments:		Remaining Life:
			Retirement Date:

CML Description	Baseline	Flange ANSI:	Material: SA-234-WPB
50 PIPING	2018	CA	T Min
Shape: 90° Elbow	Min 6.05	Flag 6.668	STCR mm/yr 0.000
OD: 88.9	Avg 6.32	Nominal 7.620	LTCR mm/yr 0.225
Spec: ASME B31.3	Comments:		Remaining Life: 14 years
			Retirement Date: 2033

CML Description	Baseline	Flange ANSI:	Material: SA-106-B
55 PIPING	2018	CA	T Min
Shape: 360° Circ	Min 6.78	Flag 5.556	STCR mm/yr 0.000
OD: 33.401	Avg 6.86	Nominal 6.350	LTCR mm/yr 0.000
Spec: ASME B31.3	Comments: ASSUMED NOMINAL		Remaining Life:
			Retirement Date:



Ultrasonic Corrosion Survey

*All values are in millimeters unless otherwise stated.

Survey Name: Husky Energy

Date: JUNE 14 2019

Streamline Report #: STL-190169-DMS 49

Inspector: TODD MCFADYEN

LSD: 12-06-050-19W5	Area: ANSELL GALLOWAY	Location: FIELD
Jur #: A0611192	Tag Number:	Vessel Name: SEPARATOR
CRN: P7217.231	Year Built: 2011	Serial Number: 12283
RT: 0.70	Vessel CA: 1.600 mm	Manufacturer: RJV
	Shell MAWP: 10205 KPA	Tube MAWP: KPA
	MAWT: 38 °C	MAWT: °C
		Pipe/Plate PIPE

CML Description	Baseline	Flange ANSI:	Material: SA-234-WPB
60 PIPING	2018	CA	T Min
Shape: 90° Elbow	Min 8.53	Flag 7.623	STCR mm/yr 0.000
OD: 60.325	Avg 8.74	Nominal 8.712	LTCR mm/yr 0.025
Spec: ASME B31.3	Comments: ASSUMED NOMINAL		Remaining Life:
			Retirement Date: