



Location Name:	Ansall Galloway	LSD:	12-27-049-19W5
Jur #:	A0488071	Equipment/Tag No.	243672
Equipment Description:	Separator		
Manufacturer:	NUSCO		
Serial Number:	005739-200	CRN:	K9276.23
Shell MAWP:	9928	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:	26.19	mm Head Thickness:	20.65 mm
Corrosion Allowance:	1.5875	mm Date Built:	2002
Size:	406.4	mm Pipe / Rolled Plate:	Pipe
RT:	2		
NOTES:	SAP 66069776		

243672

 NUSCO
NISKU, ALBERTA, CANADA

W
RT - 2

MAX. ALLOW
WORK PRESS. 1440 PSI AT 100 °F

MIN. DESIGN
METAL TEMP -20 °F AT 1440 PSI

SERIAL
NO. 005739-200 YEAR BUILT 2002

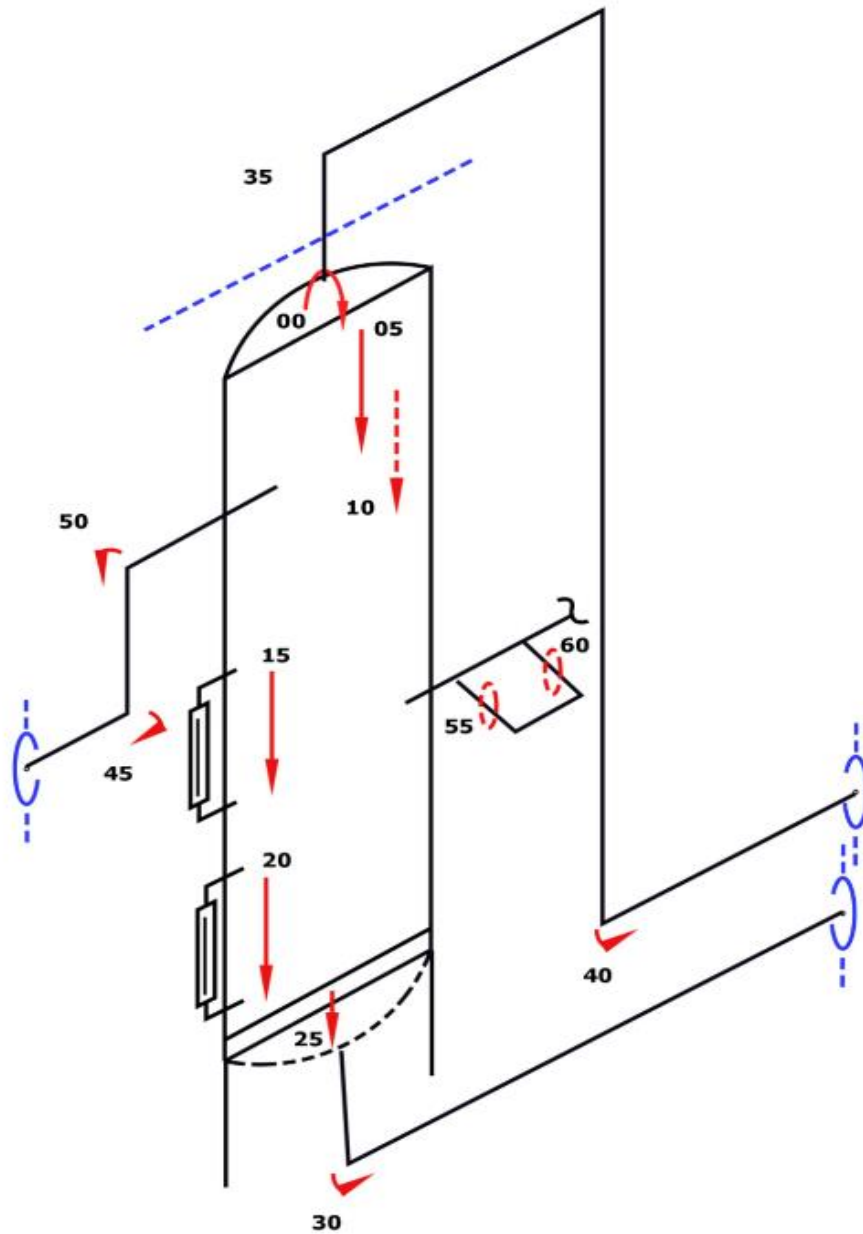
DESIGN
PRESS. 1440 PSI AT 100 °F CORR
ALLOW 0.0625 IN.

9928 KPA AT 38 °C 1.59 MM

HEAD
MTRL. SA-516-70N THK. 0.813 IN. 20.65 MM

SHELL
MTRL. SA-106-B THK. 1.031 IN. 26.19 MM

CRN. K9276.23 A 488071







Ultrasonic Corrosion Survey

*All values are in millimeters unless otherwise stated.

Survey Name: Husky Energy

Date: Jun 12, 2019

Inspector: Todd McFadyen

LSD:	12-27-049-19W5	Area:	Ansell Galloway		Location:	Field			
Jur #:	A0488071	Tag Number:	243672		Vessel Name:	Separator			
CRN:	K9276.23	Year Built:	2002		Serial Number:	005739-200			
RT:	2	Vessel CA:	1.588	mm	Manufacturer:	NUSCO			
		Shell MAWP:	9928	MAWT:	38	Tube MAWP:		MAWT:	
			KPA		°C		KPA		°C
									Pipe/Plate
									Pipe
CML Description			Baseline		Flange ANSI:		Material: SA-516-70N		
00	HEAD	2019		Flag	CA	Nominal	T Min	STCR mm/yr	LTCR mm/yr
Shape:	Ellipsoidal	Min	21.18	19.063	1.588	20.650		0.000	0.000
OD:	406.4	Avg	21.56					Remaining Life:	
Spec:	ASME VIII Div.1	Comments:						Retirement Date:	
CML Description			Baseline		Flange ANSI:		Material: A-106-B		
05	SHELL	2019		Flag	CA	Nominal	T Min	STCR mm/yr	LTCR mm/yr
Shape:	Cylindrical	Min	27.25	24.600	1.588	26.187		0.000	0.000
OD:	406.4	Avg	27.43					Remaining Life:	
Spec:	ASME VIII Div.1	Comments:						Retirement Date:	
CML Description			Baseline		Flange ANSI:		Material: A-106-B		
10	SHELL	2019		Flag	CA	Nominal	T Min	STCR mm/yr	LTCR mm/yr
Shape:	Cylindrical	Min	27.66	24.600	1.588	26.187		0.000	0.000
OD:	#REF!	Avg	27.74					Remaining Life:	
Spec:	ASME VIII Div.1	Comments:						Retirement Date:	
CML Description			Baseline		Flange ANSI:		Material: A-106-B		
15	SHELL	2019		Flag	CA	Nominal	T Min	STCR mm/yr	LTCR mm/yr
Shape:	Cylindrical	Min	27.51	24.600	1.588	26.187		0.000	0.000
OD:	406.4	Avg	27.74					Remaining Life:	
Spec:	ASME VIII Div.1	Comments:						Retirement Date:	



Ultrasonic Corrosion Survey

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Date: Jun 12, 2019

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LSD:	12-27-049-19W5	Area:	Ansell Galloway			Location:	Field		
Jur #:	A0488071	Tag Number:	243672			Vessel Name:	Separator		
CRN:	K9276.23	Year Built:	2002			Serial Number:	005739-200		
RT:	2	Vessel CA:	1.588	mm		Manufacturer:	NUSCO		
		Shell MAWP:	9928	MAWT:	38	Tube MAWP:		MAWT:	
			KPA		°C		KPA		°C
									Pipe/Plate
									Pipe
CML Description			Baseline			Flange ANSI:		Material: A-106-B	
20	SHELL		2019		Flag	CA	Nominal	T Min	STCR mm/yr
Shape:	Cylindrical	Min	27.84		24.600	1.588	26.187		0.000
OD:	406.4	Avg	28.12						0.000
Spec:	ASME VIII Div.1	Comments:							Remaining Life:
									Retirement Date:
CML Description			Baseline			Flange ANSI:		Material: SA-516-70N	
25	HEAD		2019		Flag	CA	Nominal	T Min	STCR mm/yr
Shape:	Ellipsoidal	Min	21.41		19.063	1.588	20.650		0.000
OD:	406.4	Avg	21.79						0.000
Spec:	ASME VIII Div.1	Comments:							Remaining Life:
									Retirement Date:
CML Description			Baseline			Flange ANSI:		Material: SA-234-WPB	
30	NOZZLE		2019		Flag	CA	Nominal	T Min	STCR mm/yr
Shape:	90° Elbow	Min	7.98		7.125	1.588	8.712		0.000
OD:	60.325	Avg	8.28						0.043
Spec:	ASME VIII Div.1	Comments:	ASSUMED NOMINAL						Remaining Life:
									Retirement Date:
CML Description			Baseline			Flange ANSI:		Material: SA-234-WPB	
35	NOZZLE		2019		Flag	CA	Nominal	T Min	STCR mm/yr
Shape:	90° Elbow	Min	7.09		6.033	1.588	7.620		0.000
OD:	88.9	Avg	7.34						0.031
Spec:	ASME VIII Div.1	Comments:							Remaining Life:
									Retirement Date:



Ultrasonic Corrosion Survey

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Survey Name: Husky Energy

Date: Jun 12, 2019

Inspector: Todd McFadyen

LSD: 12-27-049-19W5	Area: Ansell Galloway	Location: Field
Jur #: A0488071	Tag Number: 243672	Vessel Name: Separator
CRN: K9276.23	Year Built: 2002	Serial Number: 005739-200
RT: 2	Vessel CA: 1.588 mm	Manufacturer: NUSCO
	Shell MAWP: 9928 KPA	MAWT: 38 °C
		Tube MAWP: KPA
		MAWT: °C
		Pipe/Plate Pipe
CML Description		Baseline
40 PIPING	2019	Flag
Shape: 90° Elbow	Min 4.72	4.845
OD: 60.325	Avg 5.44	0.692
Spec: ASME B31.3	Comments: EROSION FOUND	5.537
		Flange ANSI:
		Material: SA-234-WPB
		T Min 2.108
		STCR mm/yr 0.000
		LTCR mm/yr 0.048
		Remaining Life: 54 yrs
		Retirement Date: 2073
CML Description		Baseline
45 PIPING	2019	Flag
Shape: 90° Elbow	Min 5.66	4.801
OD: 88.9	Avg 5.99	0.686
Spec: ASME B31.3	Comments:	5.486
		Flange ANSI:
		Material: SA-234-WPB
		T Min
		STCR mm/yr 0.000
		LTCR mm/yr 0.000
		Remaining Life:
		Retirement Date: