

PRESSURE VESSEL & COLUMN INSPECTION REPORT

LSD: 03-21-049-19w5m

Date: May 7, 2015

SAP Equipment ID: 66069760

VESSEL STATIC DATA										
Plant Ansell / Minehead Field				Op Unit			System			
Prov. Insp. # A0488072				CRN K9276.23			Equip Tag # n/a			
Equipment Description Separator							Serial # 005740-200			
Manufacturer Nusco							Vessel Class			
Internal Access: Description: none							Year Built 2002			
MAWP 1440		PSI		@ 100		°F		MDMT -20 °F		
CODE : U				RT : 2			PWHT : No			
Diameter 16in		Length (S/S) 78 in		OAL		mm		Vertical		
Shell Mat'l	SA-106-B		Thickness		1.031		in		Corr Allowance 0.0625 in	
Head Mat'l	SA-516-70N		Thickness		0.813		in		Corr Allowance 0.0625 in	
Nozzle Mat'l			Thickness		mm / in				Corr Allowance mm	
Internal Coating:				Internal Clad :			Capacity m3			
Manway : NO				Inspection Port : NO			Skirt			
Nozzle Rating	600 lb ANSI		Painted : YES			Insulated NO				
PROCESS DATA										
Product Description Gas, condensate, water						Sweet				
Operating Pressure 200 PSI				Operating Temperature °F						
PSV STATIC DATA										
Serial No.	Location		Set Pressure		Capacity SCFM		Manufacturer		Model / Type	Service Date / Company
1039-11	shell		1440psi		5181		Taylor		82E8351311	Wizard 23-Apr-14
PSV DETAILS										
	Type (Thread/Flange)				ANSI Rating			Size (inches)		
PRD Inlet	Threaded							1"		
PRD Outlet	Threaded							1"		
NDE Equipment Records										
Procedure#	Description		Manufacturer		Model#		Serial#		Due Date	

INSPECTION SUMMARY

Vessel and piping in good external condition, well supported and secure. Paint in good condition. Dataplate secure and legible. PSV service up to date, set at MAWP, vents to atmosphere. Gas outlet piping through roof seal failing. UT corrosion survey conducted by Streamline May 2015.

RECOMMENDATIONS

Consider re-sealing gas outlet piping through roof.

NONCONFORMANCES / INSPECTION DEFICIENCIES

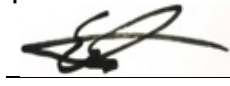
None noted

INSPECTION PLANNING

Inspection Strategy	Availability	Inspection Interval
Inspection Date May 7, 2015	Date of Last Inspect	Date of Next Inspect

REPORT CERTIFICATION

The signatures below certify that inspections/tests have been completed in accordance with the identified inspection strategy and that the specified equipment is considered fit for service until the date of next inspection.

Inspected by	Ed Tymensen		Date	May 7, 2015
Company	Streamline Inspection Ltd	PESL #	000711	API # 27479
Reviewed and Approved by			Date	
		PESL #		API #
Criticality Assessment Rerun	Inspection Planning Rerun			

PRESSURE VESSEL & COLUMN INSPECTION REPORT

LSD: 03-21-049-19w5m

Date: May 7, 2015

SAP Equipment ID: 66069760

Assessed Next Inspection Date

PRESSURE VESSEL & COLUMN INSPECTION REPORT

LSD: 03-21-049-19w5m

Date: May 7, 2015

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DETAILED INSPECTION VISUAL EXTERNAL

ID	Description	Condition	Location	NCR	Comments
V1	General Other (Please Explain)	Good			Overall no significant concerns observed
V2	General Corrosion	N/A			No corrosion concerns noted
V3	General Leaks	N/A			No active leaks present
V4	Vibration	N/A			
V5	Dissimilar Flange Rating	N/A			None noted
V6	Ladder/Stairway	N/A			
V7	Heads	Good			No concerns noted
V8	Guy Wires	N/A			
V9	Electrical Ground	Good			Securely grounded ground cable connected to skid
V10	Painted Inactive Corrosion	N/A			
V11	Coating/Painting	Good			No significant failures observed
V12	Expansion Joint or Bellows	N/A			
V13	Gauge/Site Glass	Good	pressure, temp, level		Working within design limits clear and legible
V14	Shell	Good			No concerns noted
V15	Jacket	N/A			
V21	Support Other (Please explain)	Good	pipng		well supported
V22	Foundation	Good			No concerns noted steel skid on steel piles
V23	Anchor Bolts	N/A			
V24	Saddle/Skirt	Good	skirt		Securely in place Welded to floor, inspection port present and accessible
V25	Davit	N/A			
V26	Fireproofing	N/A			
V31	Connections Other (Please explain)	Good			All threaded connections appear tight and secure
V32	Small Branches	Good	tubing		No significant sign of strain or concerns
V33	Nozzles	Good			No stresses, corrosion or misalignment
V34	Manways	N/A			
V35	Reinforcing Pads	N/A			
V36	Inadequate Thread Engagement	Good			No concerns noted
V37	Bolting	Good			Intact with no missing bolts or short bolting
V38	Flanges	Good			No active leaks
V39	Leak Clamps	N/A			
V41	Insulation Other (Please explain)	Good	pipng outside building		insulated and clad
V42	Damage	N/A	pipng outside building		None noted
V43	Penetrations	N/A			
V44	Insulation Jacket	Good	pipng outside building		tin clad
V45	Banding	Good	pipng outside building		No concerns
V46	Seals/Joints	Poor	gas outlet pipng through roof		Seal failing
V51	Relief Devices Other (Please explain)	Good			Serviced and seal intact
V52	Corrosion	N/A			
V53	Leaks	N/A			
V54	Restricted Inlet/Outlet	N/A			
V55	Manual Operation Lever	N/A			

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LSD: 03-21-049-19w5m

Date: May 7, 2015

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PHOTOS



LSD SIGN



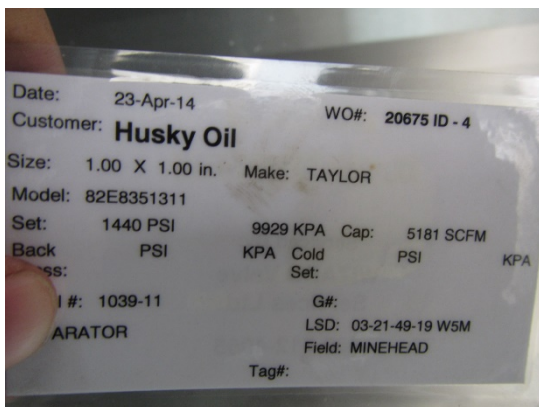
DATAPLATE



VESSEL OVERVIEW



PSV OVERVIEW



PSV SERVICE TAG



PSV DATAPLATE

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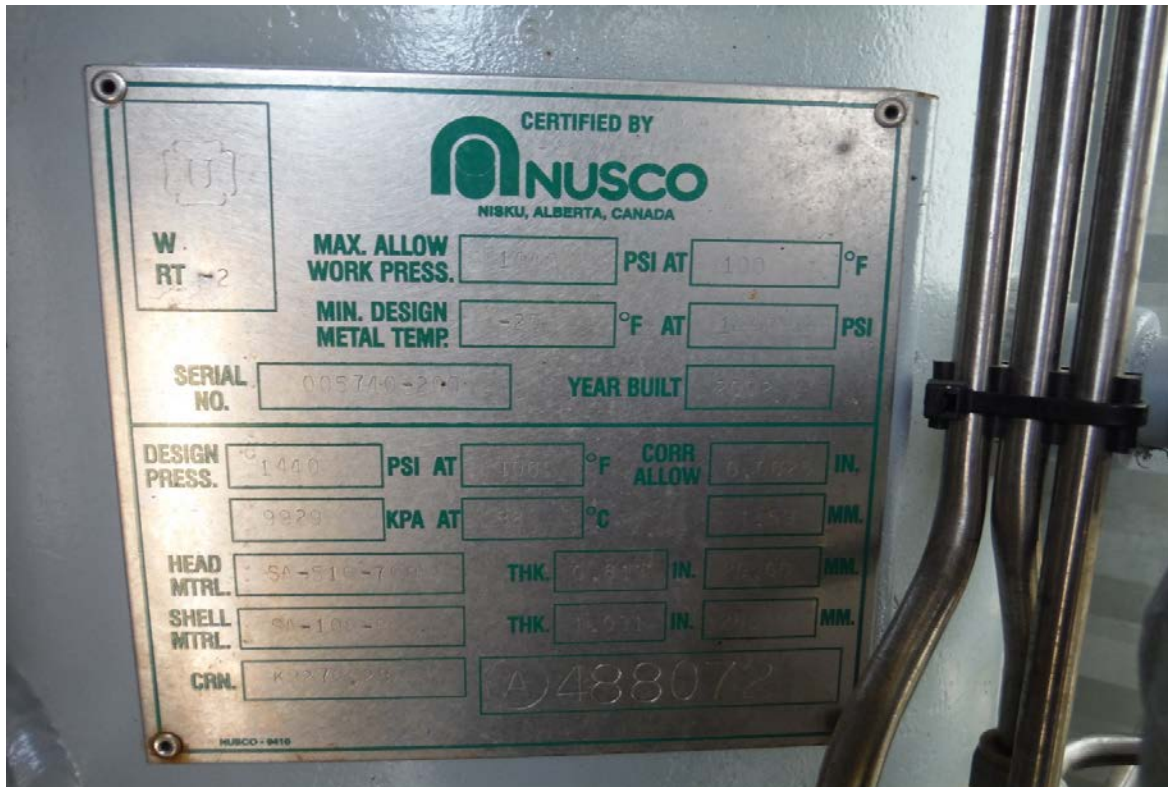
SAP Equipment ID: 66069760

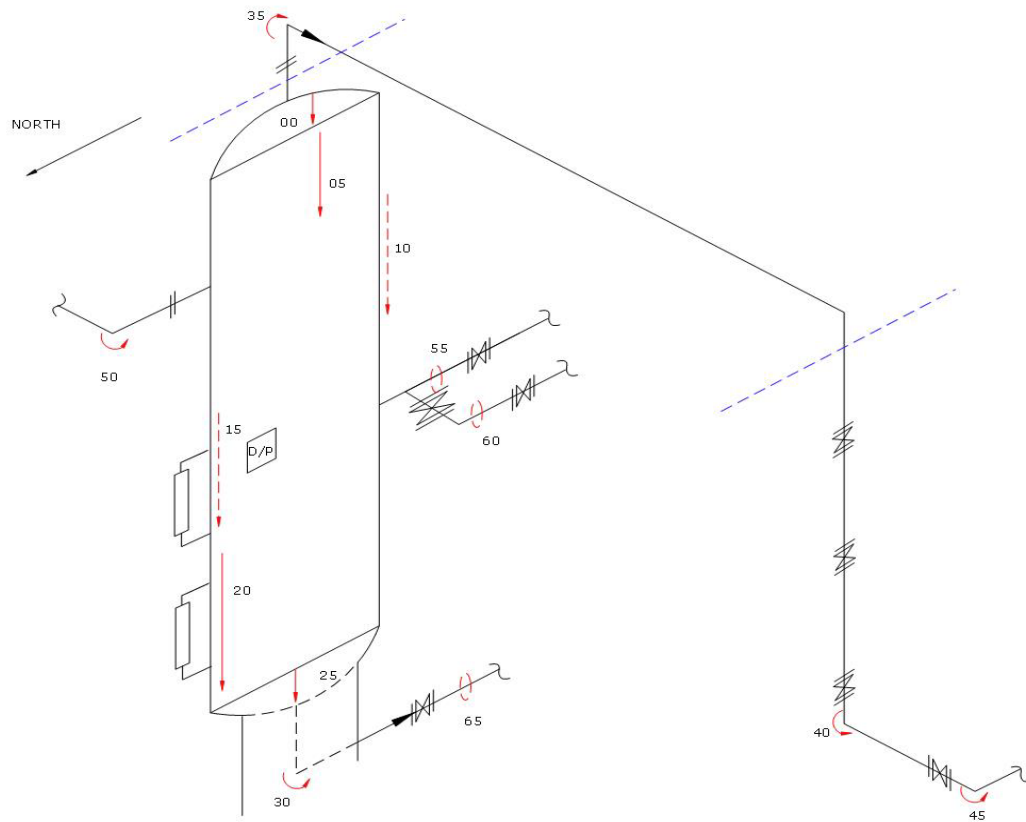


PIPING THROUGH ROOF SEAL FAILURE



Location Name:	ANSELL/MINEHEAD	LSD:	03-21-49-19 W5
A#:	A0488072	Equipment/Tag No.	
Equipment Description:	SEPARATOR		
Manufacturer:	NUSCO		
Serial Number:	005740-200	CRN:	K9276.23
Shell MAWP:	1440	PSI	Shell Design Temp: 100 °F
Tube MAWP:		PSI	Tube Design Temp: °F
Shell Material:	SA-106-B	Head Material:	SA-516-70N
Shell Thickness:	26.19	mm	Head Thickness: 20.65 mm
Corrosion Allowance:	1.5900	mm	Date Built: 2002
Size:	406	mm	Pipe / Rolled Plate: PIPE
RT:	2		
NOTES:	SAP66069760		







Ultrasonic Corrosion Survey

*All values are in millimeters unless otherwise stated.

Survey Name: Husky Energy

Date: May 11, 2015

Inspector: D. Skeard

LSD: 03-21-49-19 W5	Area: ANSELL/MINEHEAD	Location: FIELD
A #: A0488072	Tag Number:	Vessel Name: SEPARATOR
CRN: K9276.23	Year Built: 2002	Serial Number: 005740-200
RT: 2	Vessel CA: 1.590 mm	Manufacturer: NUSCO
	Shell MAWP: 1440 PSI	Tube MAWP: PSI
	MAWTF: 100 °F	MAWTF: °F
		Pipe/Plate PIPE

TML Description	Baseline	Material: SA-516-70N
00 HEAD	2015	Flag CA Nominal T Min STCR mm/yr LTCR mm/yr
Shape: Ellipsoidal	Min 21.64	19.060 1.590 20.650 0.000 0.000
OD: 406.4	Avg 21.92	Remaining Life:
Spec: ASME VIII Div.1	Comments:	Retirement Date:

TML Description	Baseline	Material: SA-106-B
05 SHELL	2015	Flag CA Nominal T Min STCR mm/yr LTCR mm/yr
Shape: Cylindrical	Min 27.31	24.600 1.590 26.190 0.000 0.000
OD: 406.4	Avg 27.51	Remaining Life:
Spec: ASME VIII Div.1	Comments: INCLUSION NOTED	Retirement Date:

TML Description	Baseline	Material: SA-106-B
10 SHELL	2015	Flag CA Nominal T Min STCR mm/yr LTCR mm/yr
Shape: Cylindrical	Min 27.43	24.600 1.590 26.190 0.000 0.000
OD: 406.4	Avg 27.79	Remaining Life:
Spec: ASME VIII Div.1	Comments:	Retirement Date:

TML Description	Baseline	Material: SA-106-B
15 SHELL	2015	Flag CA Nominal T Min STCR mm/yr LTCR mm/yr
Shape: Cylindrical	Min 28.14	24.600 1.590 26.190 0.000 0.000
OD: 406.4	Avg 28.42	Remaining Life:
Spec: ASME VIII Div.1	Comments:	Retirement Date:



Ultrasonic Corrosion Survey

*All values are in millimeters unless otherwise stated.

Survey Name: Husky Energy

Date: May 11, 2015

Inspector: D. Skeard

LSD: 03-21-49-19 W5	Area: ANSELL/MINEHEAD	Location: FIELD
A #: A0488072	Tag Number:	Vessel Name: SEPARATOR
CRN: K9276.23	Year Built: 2002	Serial Number: 005740-200
RT: 2	Vessel CA: 1.590 mm	Manufacturer: NUSCO
	Shell MAWP: 1440 PSI	Tube MAWP: PSI
	MAWTF: 100 °F	MAWTF: °F
		Pipe/Plate PIPE
TML Description	Baseline	Material: SA-106-B
20 SHELL	2015	Flag CA Nominal T Min
Shape: Cylindrical	Min 27.79	24.600 1.590 26.190
OD: 406.4	Avg 28.12	STCR mm/yr 0.000
Spec: ASME VIII Div.1	Comments:	Remaining Life:
		Retirement Date:
TML Description	Baseline	Material: SA-516-70N
25 HEAD	2015	Flag CA Nominal T Min
Shape: Ellipsoidal	Min 21.16	19.060 1.590 20.650
OD: 406.4	Avg 21.23	STCR mm/yr 0.000
Spec: ASME VIII Div.1	Comments:	Remaining Life:
		Retirement Date:
TML Description	Baseline	Material: A-234-WPB
30 NOZZLE	2015	Flag CA Nominal T Min
Shape: 90° Elbow	Min 7.14	7.623 1.089 8.712 2.794
OD: 60.325	Avg 8.38	STCR mm/yr 0.000
Spec: ASME VIII Div.1	Comments: ASSUMED NOMINAL, LOW READING	Remaining Life: 36.92 Yrs
		Retirement Date: 4/11/2052
TML Description	Baseline	Material: A-234-WPB
35 PIPING	2015	Flag CA Nominal T Min
Shape: 90° Elbow	Min 6.78	6.668 0.953 7.620
OD: 88.9	Avg 7.42	STCR mm/yr 0.000
Spec: ASME B31.3	Comments: EROSION NOTED	Remaining Life:
		Retirement Date:



Ultrasonic Corrosion Survey

*All values are in millimeters unless otherwise stated.

Survey Name: Husky Energy

Date: May 11, 2015

Inspector: D. Skeard

LSD: 03-21-49-19 W5	Area: ANSELL/MINEHEAD	Location: FIELD
A #: A0488072	Tag Number:	Vessel Name: SEPARATOR
CRN: K9276.23	Year Built: 2002	Serial Number: 005740-200
RT: 2	Vessel CA: 1.590 mm	Manufacturer: NUSCO
	Shell MAWP: 1440 PSI	Tube MAWP: PSI
	MAWTF: 100 °F	MAWTF: °F
		Pipe/Plate PIPE
TML Description	Baseline	Material: A-234-WPB
40 PIPING	2015	Flag CA Nominal T Min STCR mm/yr LTCR mm/yr
Shape: 90° Elbow	Min 5.08	4.845 0.692 5.537 0.000 0.035
OD: 60.325	Avg 5.44	
Spec: ASME B31.3	Comments: ASSUMED NOMINAL	Remaining Life: Retirement Date:
TML Description	Baseline	Material: A-234-WPB
45 PIPING	2015	Flag CA Nominal T Min STCR mm/yr LTCR mm/yr
Shape: 90° Elbow	Min 5.84	4.801 0.686 5.486 0.000 0.000
OD: 88.9	Avg 6.07	
Spec: ASME B31.3	Comments:	Remaining Life: Retirement Date:
TML Description	Baseline	Material: A-234-WPB
50 PIPING	2015	Flag CA Nominal T Min STCR mm/yr LTCR mm/yr
Shape: 90° Elbow	Min 5.72	4.801 0.686 5.486 0.000 0.000
OD: 88.9	Avg 5.97	
Spec: ASME B31.3	Comments:	Remaining Life: Retirement Date:
TML Description	Baseline	Material: SA-106-B
55 PIPING	2015	Flag CA Nominal T Min STCR mm/yr LTCR mm/yr
Shape: 360° Circ	Min 4.55	3.978 0.568 4.547 0.000 0.000
OD: 33.401	Avg 5.18	
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: May 11, 2015

Inspector: D. Skeard

LSD: 03-21-49-19 W5	Area: ANSELL/MINEHEAD	Location: FIELD
A #: A0488072	Tag Number:	Vessel Name: SEPARATOR
CRN: K9276.23	Year Built: 2002	Serial Number: 005740-200
RT: 2	Vessel CA: 1.590 mm	Manufacturer: NUSCO
	Shell MAWP: 1440 PSI	Tube MAWP: PSI
	MAWTF: 100 °F	MAWTF: °F
		Pipe/Plate PIPE

TML Description	Baseline	Material: SA-106-B
60 PIPING	2015	
Shape: 360° Circ	Min 4.72	Flag 3.978
OD: 33.401	Avg 5.05	CA 0.568
Spec: ASME B31.3	Comments: ASSUMED NOMINAL	Nominal 4.547
		T Min
		STCR mm/yr 0.000
		LTCR mm/yr 0.000
		Remaining Life:
		Retirement Date:

TML Description	Baseline	Material: SA-106-B
65 PIPING	2015	
Shape: 360° Circ	Min 4.47	Flag 3.978
OD: 33.401	Avg 4.85	CA 0.568
Spec: ASME B31.3	Comments: ASSUMED NOMINAL	Nominal 4.547
		T Min
		STCR mm/yr 0.000
		LTCR mm/yr 0.006
		Remaining Life:
		Retirement Date:

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by NUSCO SUPPLY & MANUFACTURING INC. 1604 - 8TH STREET NISKU, ALBERTA CANADA T9E 7S6
(Name and address of manufacturer)

2. Manufactured for Husky Oil Operations Ltd. 707-8th Avenue SW Calgary, Alberta T2P 1H5
(Name and address of purchaser)

3. Location of installation Husky Oil Operations Ltd. 12-27-49-19 W5M
(Name and address)

4. Type: Vertical Separator 005740-200 K-9276.23 D1227-200 Rev.0 2002
(Horiz. or vert. tank) (Mfr's serial No.) (CRN) (Drawing no.) (Nat'l Bd. No.) (Year built)

5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1
VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1
2001
Year

6. Shell: SA-106-B 1.031" 0.0625" 16" OD 6' - 6"
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

7. Seams: Type-S Seamless 100% Type-1 * Spot
Matl. (Spec No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (F) Time (hr) Girth (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Matl. SA-516-70N (b) Matl. SA-516-70N
(Spec No., Grade) (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	TOP	0.813"	0.0625"	-	-	2:1	-	-	-	Concave
(b)	BOTTOM	0.813"	0.0625"	-	-	2:1	-	-	-	Concave

If removable, bolts used (describe other fastenings) -

9. MAWP 1440 (Matl. Spec. No., Gr., Size, No.)
Min. design metal temp. -20 °F at 1440 psi. Hydro. 100° test pressure 2160 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
N1 Inlet	1	3"	600# RFWN	SA-105N / SA-106-B	XXH	N/A	UW-16.1(c)	Shell
Gas Outlet	1	3"	600# RFWN	SA-105N / SA-106-B	XXH	N/A	UW-16.1(c)	Top Head
Outlet (HCL)	1	1"	TOL	SA-105N	3000#	N/A	UW-16.1(a)	Shell
C2 Water Outlet	1	1"	TOL	SA-105N	3000#	N/A	UW-16.1(a)	Shell
C3 Drain	1	2"	3000# CPLG	SA-106 B	SCH 160	N/A	UW-16.1(c)	Btm Head
C4 LC (HCL)	1	2"	TOL	SA-105N	3000#	N/A	UW-16.1(a)	Shell
C5 LC (Water)	1	2"	TOL	SA-105N	3000#	N/A	UW-16.1(a)	Shell
SEE U4 FORM	-	-	-	-	-	-	-	-

11. Supports: Skirt Yes Lugs - Legs - Other - Attached Welded to Bottom Head
(Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: -

(Name of part, item number, Mfr's name and identifying stamp)
-Construction Drawing No. D1317-200 Rev.0
-Radiography - as per UW-11(a)5(b)
-Customers responsibility to install adequate pressure relief valve.
-Vessel is Impact Test Exempt per UG-20(f) & UCS-66(a)
-Hydrotested Vertically
-Capacity 7.5 Cu. Ft.

CERTIFICATE OF SHOP / FIELD COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 24,778 expires March 27, 2005
Date Jul 29 2002 Co. Name NUSCO SUPPLY & MANUFACTURING INC Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP / FIELD INSPECTION

Vessel constructed by NUSCO SUPPLY & MANUFACTURING INC. at 1604 - 8TH STREET NISKU, ALBERTA CANADA T9E 7S6
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Alberta and employed by Alberta Boilers Safety Association have inspected the component described in this Manufacturer's Data Report on Jul 29 2002 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection
Date Jul 29 2002 Signed [Signature] Commissions AB #132
(Authorized Inspector) (Nat'l Board (incl. endorsements) State Prov. and No.)

FORM U-4 MANUFACTURER'S DATA SHEET
As Required by the Provisions of the

MENTARY SHEET
Section VIII, Division 1

Manufactured and certified by NUSCO SUPPLY & MANUFACTURING INC. 1604
 2. Manufactured for Husky Oil Operations Ltd. 707-8th Avenue SW Calgary, Alberta T2C 1P7
 3. Location of installation Husky Oil Operations Ltd. 12-27-49-19 W5M
 4. Type: Vertical (horiz., vert., or sphere) Separate (tank, separator, or storage vessel)
K-9276.23 (CRN) D1227-200 Rev. 0 (drawing no.)

Nozzles, inspection, and safety valve openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Flange Type	Material	
				Nozzle	Flange
C6 A/B LG (HCL)	2	3/4"	TOL	SA-105N	-
C7 A/B LG (Water)	2	3/4"	TOL	SA-105N	-
C8 PI	1	1/2"	TOL	SA-105N	-
C9 TI	1	3/4"	TOL	SA-105N	-
C10 PSHL	1	1"	TOL	SA-105N	-
C11 HLSD	1	2"	TOL	SA-105N	-
C12 PSV	1	1"	TOL	SA-105N	-
C13 A Inspection	1	2"	TOL	SA-105N	-
C13 B Inspection	1	1 1/2"	TOL	SA-105N	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

RTA CANADA T9F 7S6
(manufacturer)

005740-200
(mfg's serial no.)

(Nat'l. Bd. no.) 2002
(year built)

Reinforcement Material	How Attached		Location (Insp. Open.)
	Nozzle	Flange	
-	UW-16.1a	-	Shell
-	UW-16.1a	-	Shell
-	UW-16.1a	-	Shell
-	UW-16.1a	-	Shell
-	UW-16.1a	-	Shell
-	UW-16.1a	-	Shell
-	UW-16.1a	-	Shell
-	UW-16.1a	-	Shell
-	UW-16.1a	-	Top Head
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Data Report
Item Number

Construction Drawing No: D1317-200 Rev.0

Certificate of Authorization: Type U No.
 Date 03/29/2002 Name NUSCO SUPPLY & MANUFACTURING INC.
 (manufacturer)
 Date 03/29/2002 Name M. W. Wynn
 (Authorized Inspector)

March 27, 2005
Chris Hager
 (representative)
 #132

Board incl. endorsement, state, province and no.:

CERTIFIED BY
Onusco
NIBCO THERM-A-MAT

W
RT

MAX ALLOW
WORK PRESS

24.0

PSI AT

MIN DESIGN
METAL TEMP

-20

F AT

SERIAL
NO.

2005720200

YEAR

2022

DESIGN
PRESS.

PSI AT

100

PSI

5.5825

KPA AT

38

PSI

1.129

HEAD
MTRL.

THK

0.873

IN

20.85

SHELL
MTRL.

THK

0.031

IN

28.25

CRN.

(A) 488072

11-2-110031

W
RT-2



MAX. ALLOW
WORK. PRESS.

1440

PSI

AT

100

°F

MIN. DESIGN
METAL TEMP.

-20

°F

AT

1440

PSI

SERIAL
NO.

005740-200

YEAR BUILT

2002

DESIGN
PRESS.

1440

PSI

AT

100

°F

CORR
ALLOW

0.0625

IN.

9929

KPA

AT

38

°C

CORR
ALLOW

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.

K-9276.23

FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by NUSCO SUPPLY & MANUFACTURING INC., 1604 - 8TH STREET NISKU, ALBERTA CANADA T9E 7S6
(name and address of manufacturer)
2. Manufactured for Husky Oil Operations Ltd. 707-8th Avenue SW Calgary, Alberta T2P 1H5
(name and address of purchaser)
3. Location of installation Husky Oil Operations Ltd. 12-27-49-19 W5M
(name and address)
4. Type: Vertical Separator 005740-200
(horiz., vert., or sphere) (tank, separator, heat exch., etc.) (mtg's serial no.)
K-9276.23 D1227-200 Rev.0 2002
(CRN) (drawing no.) (Nat'l. Bd. no.) (year built)

Nozzles, inspection, and safety valve openings:

[illegible]Data Report
Item Number

Remarks

Construction Drawing No: D1317-200 Rev.0

Certificate of Authorization: Type U No. 24,776 Expires March 27 2005
 Date JUL 29 2002 Name NUSCO SUPPLY & MANUFACTURING INC. Signed [Signature]
 (manufacturer) (representative)
 Date JUL 29 2002 Name [Signature] Commission AB#132
 (Authorized Inspector) (Nat'l. Board incl. endorsement, state, province and no.)