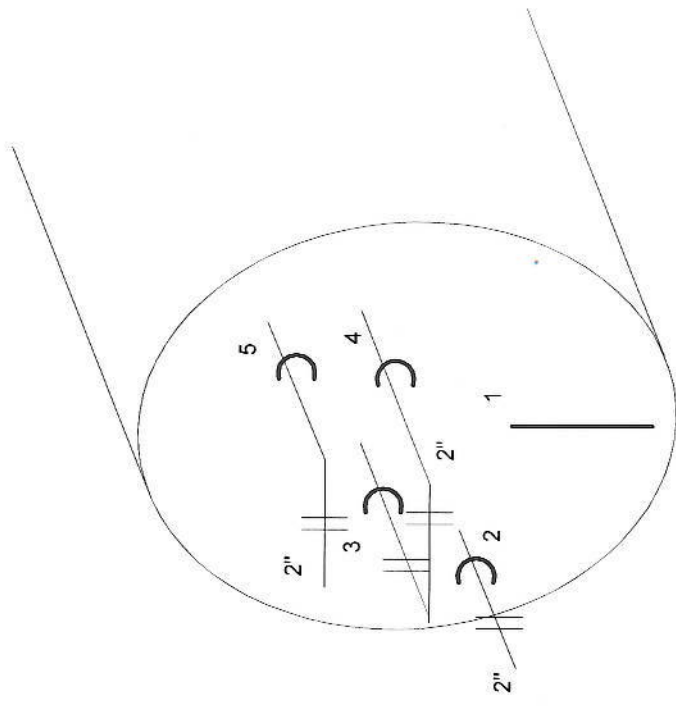


SAT #6 

W



VESSEL DATA

UNIT#: 12635 EQ TAG#: DVP-629A

FUNCTIONAL BLOCK: Dunvegan

DESCRIPTION: Line Heater

MANUFACTURER: Wells Hall

SERIAL#: 96-8702-0

C.R.N #: N 2155.2

ALBERTA#: 402053

M.W.P.: 2025 @ 200 F

SHELL:

HEAD:

SIZE: 54" x 20'

CORR. ALLOW.:

MAN. DATE: 1996

HEAT TREAT.:

RADIOGRAPHY:

CLIENT: DEVON CANADA CORP.

LOCATION: DUNVEGAN 16-9-81-3 w6

DATE: Dec 9, 2004

DRAWN BY: AA

DRAWING#:

DEV-DUN-12635

DEVON CANADA CORP

Location: Dunvegan 16-9-81-3 Well

Unit #: 12635 Line Heater Dwg #: DEV-DUN-12635 Eq#: DVF-629A

Band #:	1	West End				T'Nom:	9.5	T'Min:	7.9
Point#	Dec 2004	Jun 2007	Jul 2010	Aug 2013					
1	9.5	9.6	9.7	9.6					
2	9.5	9.7	9.8	9.6					
3	9.5	9.6	9.6	9.5					
4	9.5	9.6	9.6	9.5					
5	9.5	9.5	9.6	9.5					
6	9.4	9.5	9.6	9.4					
7	9.5	9.5	9.6	9.5					
8	9.5	9.5	9.6	9.5					
Average	9.5	9.6	9.6	9.5					
Meas Min	9.4	9.5	9.6	9.4					
% Loss/Ave	1	1	0	1					
% C.A. Lost	6			6					

Band #:	2	3" Circ				T'Nom:	7.6	T'Min:	4.9
Point#	Dec 2004	Jun 2007	Jul 2010	Aug 2013					
1	7.1	7.5	7.8	7.5					
2	7.7	7.8	7.9	7.9					
3	7.7	7.7	7.8	7.7					
4	7.3	7.7	7.8	7.7					
Average	7.5	7.7	7.8	7.7					
Meas Min	7.1	7.5	7.8	7.5					
% Loss/Ave	5	2	0	3					
% C.A. Lost	19	4		4					

Band #:	3	3" Circ				T'Nom:	7.6	T'Min:	4.9
Point#	Dec 2004	Jun 2007	Jul 2010	Aug 2013					
1	7.8	8.0	8.3	8.0					
2	7.3	7.7	7.6	7.8					
3	7.5	7.7	8.0	7.7					
4	7.1	7.4	7.4	7.7					
Average	7.4	7.7	7.8	7.8					
Meas Min	7.1	7.4	7.4	7.7					
% Loss/Ave	4	4	5	1					
% C.A. Lost	19	7	7						

Band #:	4	3" Circ				T'Nom:	7.6	T'Min:	4.9
Point#	Dec 2004	Jun 2007	Jul 2010	Aug 2013					
1	7.6	7.8	7.9	7.8					
2	7.3	7.7	7.6	7.9					
3	7.3	7.6	7.7	7.6					
4	7.0	7.5	7.9	7.4					
Average	7.3	7.6	7.8	7.7					
Meas Min	7.0	7.5	7.6	7.4					
% Loss/Ave	4	2	2	4					
% C.A. Lost	22	4		7					

Band #:	5	3" Circ				T'Nom:	7.6	T'Min:	4.9
Point#	Dec 2004	Jun 2007	Jul 2010	Aug 2013					
1	7.6	7.7	7.8	7.7					
2	7.5	7.8	7.9	7.8					
3	7.3	7.5	7.9	7.6					
4	7.7	8.0	8.1	8.1					
Average	7.5	7.8	7.9	7.8					
Meas Min	7.3	7.5	7.8	7.6					
% Loss/Ave	3	3	2	3					
% C.A. Lost	11	4		0					



Pressure Vessel Visual External Inspection Form

District	Fairview	Field:	DnnVegan	LSD:	16-9-81-3	Date	7/11/13
Equipment #	DVF-629A	Equipment Name	Line Heater	Inspector	Mike Cranston		

A # / Unit #	402053	ID#:	12635	Service	MAWP (incl units)	@ Temp (incl units)
CRN #	N 2155.2	Shell Side	GAS	2025 psi	200°F	
MFG Serial #	96-8702-0	Tube Side	GAS			
PSV Tag #		Set Pressure		Service Date		

Item Observed	Good	Repair Req'd	N/A	Comments
Namplate				
Accessible, securely mounted, legible	/			Tag #
Insulation				
Sealed around manways, nozzles, etc	/			
No damage to cladding	/			
No moisture present underneath	/			
External Vessel Surface				
Paint (peeling, blistering)	/			Rust
No corrosion or cracking	/			
No hot spots, blisters or bulges	/			
No mechanical damage (dents, etc)	/			
Check for CUI if applicable			/	
Leakage				
No signs of leakage at flanges, threaded connections, weepholes, etc	/			Not in Service
Skirt/Saddle				
Paint, fire protection, concrete	/			
No signs of corrosion, dents, buckling	/			
Attachment welds	/			
Grounding connection	/			35.0
Anchor Bolts				
Hammer tap to ensure secure	/			
No cracking in threads or signs of deformation	/			
Concrete Foundation				
No cracks or spalling, deterioration			/	
Ladder/Platform				
Support is secure	/			
Attachment clips, welds and bolts	/			
Any hazards present	/			
Nozzles				
No signs of leakage, damage, deflection	/			
External Piping				
Proper supports in place	/			
Paint condition	/			
No signs of damage, structural overload, etc	/			
Manways/Quick Release Closures/Davits				
No signs of cracking or mechanical damage	/		/	
No loose bolts or damage to swing arm	/			
Gauges				
Visible, functioning, no sign of leakage	/			
Suitable range for MAWP/Temp	/			
Valving				
Properly supported and chained	/			
No visible leaks	/			
PSV				
Set pressure less than or equal to MAWP	/		/	no psv
Valves between vessel and PSV carsealed open	/			
Vibration				
No vibration	/			
NDE				
Sufficient TMLs for corrosion mechanisms	/			NT
NDE completed, if required	/			

Recommendations or Follow-Up Actions Required?

Empty box for recommendations or follow-up actions.

Inspector's Signature (with date):

Inspector's Signature: [Signature] 7/11/13

Sat # 6

DVF-629

Pressure Vessel External Inspection Checklist



District Fairview
Inspector Wayne Gerber (Probe)

Facility Dunvegan 16-9-81-3 W6M
Date 15-Jul-10

Equipment Unit ID# 12635 Line Heater
A # 402053

Serial No. 96-8702-0
CRN N 2155.2

	OK	N/A	NOK	Comments
Shell	✓			
Head (Upper, North or West)	✓			
Head (Lower, South or East)	✓			
Alignment	✓			
Insulation/Paint	✓			
Saddles and Repads (Weep Holes)	✓			
Supports	✓			
Nozzles/Manway	✓			
Flanges (Evidence of Leakage)	✓			
PSV	✓			
Foundation	✓			
Foundation Bolts	✓			
Grounding Cable		✓		
Appertunances	✓			
Adjacent Piping	✓			
Ladder/Stairway		✓		
Catwalk		✓		

Notes:

*Sat 9 wells
PVF-629*

Certificate of Inspection

ANDERSON OIL & GAS INC
1600, 324 - 8 AVENUE SW
ATTN: BEV SCHWINDT
CALGARY, ALBERTA
T2P 2Z5

LOCATION: GEORGE FIELD LSD: 16-9-81-3-W6M

COMPANY CODE:

PREFERRED RE-INSP. INTERVAL:

DESCRIPTION: INDIRECT FIRED HEATER COIL

CRN: N2155.2

MANUFACTURER: WELLS-HALL FAB. & CONST. LTD.

SERIAL #: 96-8702-0

YEAR BUILT: 1996

HEATING SURFACE:

SURFACE AREA:

VOLUME: 0.40 M3

SAFETY VALVES

PART	MAX. AUTHORIZED WORKING PRESSURE	MAX. TEMP	MIN. TEMP	VALVE ID	SETTING	CAPACITY	LOCATION
COA	13,962 KPA	93 C		SV1			TO BE INSTALLED
COB	13,962 KPA	93 C		SV2			TO BE INSTALLED

OWNER INSTRUCTIONS/REMARKS:

NO FURTHER INSPECTION REQUIRED BY ALBERTA BOILERS SAFETY ASSOCIATION.

OWNER TO VERIFY INTEGRITY OF VESSEL BY PERIODIC INSPECTION PROGRAM.

VERIFY THAT VESSEL IS PROTECTED BY A 'UV' SAFETY RELIEF VALVE, OF ADEQUATE CAPACITY, SET AT NO MORE THAN MAXIMUM PRESSURE AUTHORIZED, HAS BEEN INSTALLED IN ACCORDANCE WITH THE REGULATIONS.

TO BE INSTALLED IN ACCORDANCE WITH THE SAFETY CODES ACT AND REGULATIONS.

NOT SUBJECT TO ANNUAL FEES AS PER THE REGULATIONS PART 4 SECTION 28.

(h) direct or indirect fired oil and gas process heaters of the coil type;

SAFETY CODES OFFICER: BOLT, LARRY

SIGNATURE: _____

Larry Bolt

NOTE: REQUIREMENTS OF THE SAFETY CODES ACT AND THE REGULATIONS ISSUED THEREUNDER:

THE OWNER OR PERSON IN CHARGE SHALL REPORT ALL ACCIDENTS INVOLVING A BOILER, PRESSURE VESSEL OR PRESSURE PIPING SYSTEM TO THE DISTRICT SAFETY CODES OFFICER IMMEDIATELY AND SHALL SEND A FULL REPORT IN WRITING TO THE ADMINISTRATOR/CHIEF INSPECTOR AS REQUIRED BY THE ACT. NO REPAIRS OR ALTERATIONS MAY BE MADE UNLESS AUTHORIZED BY A SAFETY CODES OFFICER.