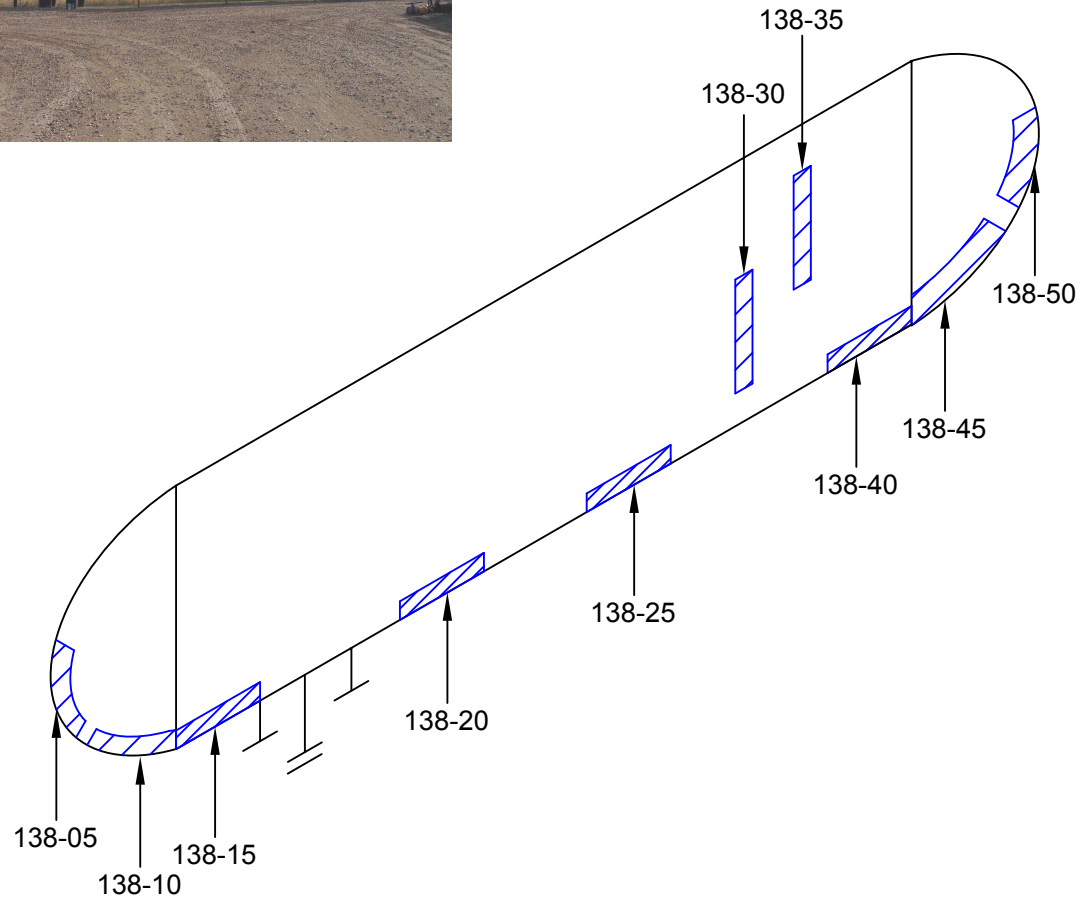


ITEM:

NGL BULLET

A0172957



**MOUNTAIN WEST
SERVICES LTD.**

ASSET INTEGRITY
SYLVAN LAKE, AB (403) 887-3562

PIPELINE INTEGRITY
WHITECOURT, AB (780) 778-5584

NON-DESTRUCTIVE TESTING
GRANDE PRAIRIE, AB (780) 518-9757

TECHNICIAN:

STEVEN LOMOND
SNT LEVEL I
SNT-TC-1A

DATE: 10/17/14

DWG: 138

CLIENT: LONG RUN EXPLORATION

LSD: 05-10-033-26-W4M

INSPECTOR : DUANE PAETKAU

LOCATION : WIMBORNE

DISTRICT UNIT : TREVOR J'S FIELD

BLDG/SKID : NO

PROCESS : SWEET

CODE : ASME SEC VIII DIV 1

SPECIFICATION : AS PER ASME SE 797

TECHNIQUE : UT 1-1, REV .1

METHOD : UT CONTINUOUS / A SCAN

SURFACE COND : PAINTED

SURFACE TEMP : AMBIENT

VESSEL INFORMATION

VESSEL # : A0172957

CRN # : 9156.3214

SERIAL # : 27134

MANUFACTURER : WESTERN ROCK BIT

DATE BUILT : 1985

CLIENT ID / TAG : -

M.A.W.P : 250 PSI

M.A.W.T. : 151° F

JOINT EFFICIENCY/RT : RT 4

STRESS RELIEVED : NO

INSULATED : NO

MANWAY : YES

VESSEL SPECIFICATIONS

	OD	NOMINAL	MATERIAL	CA
VESSEL HEAD	129"	.543"	SA-516-70	0"
VESSEL SHELL	129"	.929"	SA-516-70	0"
BOOT HEAD	-	-	-	-
BOOT SHELL	-	-	-	-

COMMENTS:

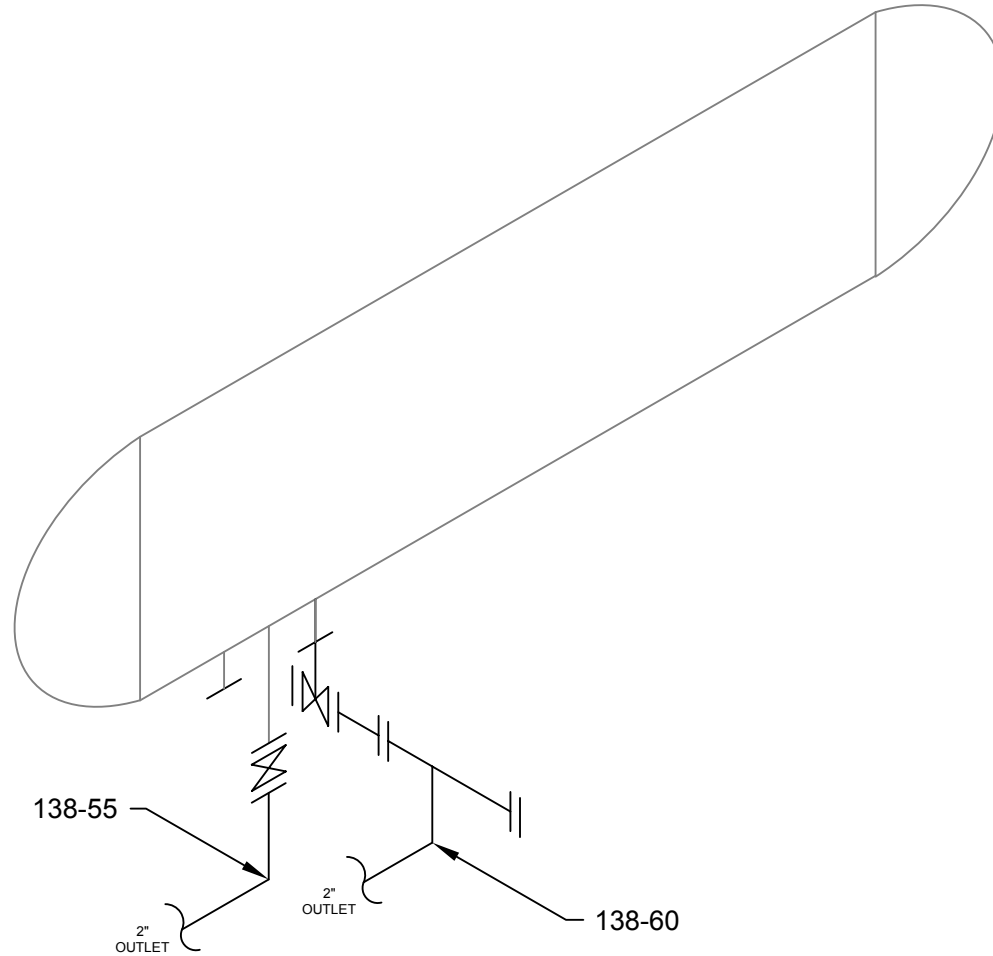
PROJECT:

C72109

ITEM:	NGL BULLET - PIPING	A0172957
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ITEM:	NGL BULLET - PIPING	A0172957
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ITEM:	NGL BULLET - PIPING	A0172957
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ASSET INTEGRITY SYLVAN LAKE, AB	(403) 887-3562
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SNT LEVEL I
SNT-TC-1A

DATE: 10/17/14

DWG # 138A

CLIENT: LONG RUN EXPLORATION

LSD: 05-10-033-26-W4M

INSPECTOR :	DUANE PAETKAU
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LOCATION :	WIMBORNE
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DISTRICT UNIT :	TREVOR J'S FIELD
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BLDG/SKID :	NO
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PROCESS :	SWEET
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CODE : ASME B31.3

SPECIFICATION :	AS PER ASME SE 797
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TECHNIQUE :	UT 1-1, REV.1
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METHOD :	UT CONTINUOUS / A SCAN
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SURFACE COND :	PAINTED
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SURFACE TEMP : AMBIENT

PIPING INFORMATION

[illegible]

COMMENTS:

PROJECT:
C72109



ULTRASONIC CORROSION SURVEY

Survey Name: LONG RUN EXPLORATION

LSD: 05-10-033-26W4	Vessel Number: 172957	Manufacturer: WESTERN ROCK BIT	Survey Date: 10/17/2014
District Unit: TREVOR J'S FIELD	Vessel Name: NGL BULLET	Serial Number: 27134	Inspector: DUANE PAETKAU
Location: WIMBORNE	Year Built: 1985	Shell MAWP PSI: 250 MAWT F: 150.8	Process: SWEET
Skid: NO	Tag Number: -	Tube MAWP PSI: MAWT F:	Project #: C72109
	CRN: 9156.3214	Vessel CA: 0.0000	Report Number: 6113

Band	Description			Readings						Year	Avg Inches	Min Inches	Nominal	CA	TMIN	Recommended Next Inspection	Recommended Retirement Date
				1	2	3	4	5	6								
05	Head	Baseline		0.614	0.610	0.609	0.606	0.606	0.607	2007	0.609	0.606	0.5430	0.0000	0.4575	2015	2034
Shape	Hemispherical	shell Side	Previous	0.614	0.610	0.609	0.606	0.606	0.607	2007	0.609	0.606	Comments-->		OK		
OD	129		Current	0.614	0.610	0.607	0.604	0.606	0.607	2014	0.608	0.604					
Spec.	VIII Div 1									ST Loss MPY	0						
Material	SA 516 - 70									LT Loss MPY	0						
10	Head	Baseline		0.624	0.624	0.628	0.628	0.641	0.658	2007	0.634	0.624	0.5430	0.0000	0.4575	2015	2034
Shape	Hemispherical	shell Side	Previous	0.624	0.624	0.628	0.628	0.641	0.658	2007	0.634	0.624	Comments-->		OK		
OD	129		Current	0.624	0.624	0.624	0.624	0.641	0.645	2014	0.630	0.624					
Spec.	VIII Div 1									ST Loss MPY	0						
Material	SA 516 - 70									LT Loss MPY	0						
15	Shell	Baseline		0.954	0.955	0.956	0.955	0.953	0.953	2007	0.954	0.953	0.9290	0.0000	0.9160	2015	2034
Shape	Cylindrical	shell Side	Previous	0.954	0.955	0.956	0.955	0.953	0.953	2007	0.954	0.953	Comments-->		OK		
OD	129		Current	0.953	0.955	0.954	0.955	0.953	0.953	2014	0.954	0.953					
Spec.	VIII Div 1									ST Loss MPY	0						
Material	SA 516 - 70									LT Loss MPY	0						
20	Shell	Baseline		0.942	0.940	0.937	0.939	0.940	0.941	2007	0.940	0.937	0.9290	0.0000	0.9160	2015	2034
Shape	Cylindrical	shell Side	Previous	0.942	0.940	0.937	0.939	0.940	0.941	2007	0.940	0.937	Comments-->		OK		
OD	129		Current	0.940	0.940	0.937	0.938	0.940	0.941	2014	0.939	0.937					
Spec.	VIII Div 1									ST Loss MPY	0						
Material	SA 516 - 70									LT Loss MPY	0						



ULTRASONIC CORROSION SURVEY

Survey Name: LONG RUN EXPLORATION

LSD: 05-10-033-26W4	Vessel Number: 172957	Manufacturer: WESTERN ROCK BIT	Survey Date: 10/17/2014
District Unit: TREVOR J'S FIELD	Vessel Name: NGL BULLET	Serial Number: 27134	Inspector: DUANE PAETKAU
Location: WIMBORNE	Year Built: 1985	Shell MAWP PSI: 250 MAWT F: 150.8	Process: SWEET
Skid: NO	Tag Number: -	Tube MAWP PSI: MAWT F:	Project #: C72109
	CRN: 9156.3214	Vessel CA: 0.0000	Report Number: 6113

Band	Description			Readings						Year	Avg Inches	Min Inches	Nominal	CA	TMIN	Recommended Next Inspection	Recommended Retirement Date
				1	2	3	4	5	6								
25		Shell	Baseline	0.938	0.937	0.937	0.936	0.938	0.945	2007	0.939	0.936	0.9290	0.0000	0.9160	2015	2034
Shape	Cylindrical	shell Side	Previous	0.938	0.937	0.937	0.936	0.938	0.945	2007	0.939	0.936	Comments-->		OK		
OD	129		Current	0.938	0.937	0.937	0.936	0.938	0.945	2014	0.939	0.936					
Spec.	VIII Div 1									ST Loss MPY	0						
Material	SA 516 - 70									LT Loss MPY	0						
30		Shell	Baseline	0.930	0.931	0.933	0.937	0.935	0.932	2007	0.933	0.930	0.9290	0.0000	0.9160	2015	2034
Shape	Cylindrical	shell Side	Previous	0.930	0.931	0.933	0.937	0.935	0.932	2007	0.933	0.930	Comments-->		OK		
OD	129		Current	0.930	0.931	0.933	0.937	0.935	0.932	2014	0.933	0.930					
Spec.	VIII Div 1									ST Loss MPY	0						
Material	SA 516 - 70									LT Loss MPY	0						
35		Shell	Baseline	0.944	0.944	0.944	0.943	0.943	0.941	2007	0.943	0.941	0.9290	0.0000	0.9160	2015	2034
Shape	Cylindrical	shell Side	Previous	0.944	0.944	0.944	0.943	0.943	0.941	2007	0.943	0.941	Comments-->		OK		
OD	129		Current	0.944	0.944	0.944	0.943	0.943	0.941	2014	0.943	0.941					
Spec.	VIII Div 1									ST Loss MPY	0						
Material	SA 516 - 70									LT Loss MPY	0						
40		Shell	Baseline	0.931	0.932	0.933	0.934	0.934	0.934	2007	0.933	0.931	0.9290	0.0000	0.9160	2015	2034
Shape	Cylindrical	shell Side	Previous	0.931	0.932	0.933	0.934	0.934	0.934	2007	0.933	0.931	Comments-->		OK		
OD	129		Current	0.931	0.932	0.933	0.934	0.934	0.934	2014	0.933	0.931					
Spec.	VIII Div 1									ST Loss MPY	0						
Material	SA 516 - 70									LT Loss MPY	0						



ULTRASONIC CORROSION SURVEY

Survey Name: LONG RUN EXPLORATION

LSD: 05-10-033-26W4	Vessel Number: 172957	Manufacturer: WESTERN ROCK BIT	Survey Date: 10/17/2014
District Unit: TREVOR J'S FIELD	Vessel Name: NGL BULLET	Serial Number: 27134	Inspector: DUANE PAETKAU
Location: WIMBORNE	Year Built: 1985	Shell MAWP PSI: 250 MAWT F: 150.8	Process: SWEET
Skid: NO	Tag Number: -	Tube MAWP PSI: MAWT F:	Project #: C72109
	CRN: 9156.3214	Vessel CA: 0.0000	Report Number: 6113

Band	Description			Readings						Year	Avg Inches	Min Inches	Nominal	CA	TMIN	Recommended Next Inspection	Recommended Retirement Date
				1	2	3	4	5	6								
45	Head	Baseline		0.620	0.625	0.632	0.637	0.638	0.647	2007	0.633	0.620	0.5430	0.0000	0.4575	2015	2034
Shape	Hemispherical	shell Side	Previous	0.620	0.625	0.632	0.637	0.638	0.647	2007	0.633	0.620	Comments-->		OK		
OD	129		Current	0.620	0.625	0.632	0.637	0.638	0.647	2014	0.633	0.620					
Spec.	VIII Div 1									ST Loss MPY	0						
Material	SA 516 - 70									LT Loss MPY	0						
50	Head	Baseline		0.623	0.622	0.626	0.625	0.625	0.622	2007	0.624	0.622	0.5430	0.0000	0.4575	2015	2034
Shape	Hemispherical	shell Side	Previous	0.623	0.622	0.626	0.625	0.625	0.622	2007	0.624	0.622	Comments-->		OK		
OD	129		Current	0.623	0.622	0.626	0.625	0.625	0.622	2014	0.624	0.622					
Spec.	VIII Div 1									ST Loss MPY	0						
Material	SA 516 - 70									LT Loss MPY	0						
55	Piping	Baseline		0.207	0.204	0.198	0.200	0.201	0.197	2007	0.201	0.197	0.2180	0.0272	0.0148	2015	2034
Shape	90° Elbow	shell Side	Previous	0.207	0.204	0.198	0.200	0.201	0.197	2007	0.201	0.197	Comments-->		OK		
OD	2.375		Current	0.199	0.198	0.198	0.194	0.197	0.191	2014	0.196	0.191					
Spec.	B31.3									ST Loss MPY	1						
Material	A 234 - WPB									LT Loss MPY	1						
60	Piping	Baseline		0.195	0.196	0.201	0.205	0.201	0.203	2007	0.200	0.195	0.2180	0.0272	0.0148	2015	2034
Shape	90° Elbow	shell Side	Previous	0.195	0.196	0.201	0.205	0.201	0.203	2007	0.200	0.195	Comments-->		OK		
OD	2.375		Current	0.195	0.196	0.201	0.204	0.201	0.203	2014	0.200	0.195					
Spec.	B31.3									ST Loss MPY	0						
Material	A 234 - WPB									LT Loss MPY	0						