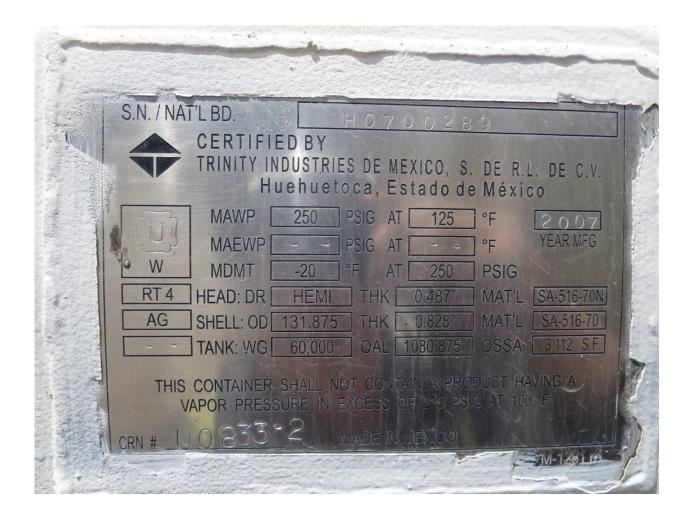
Husky Energy

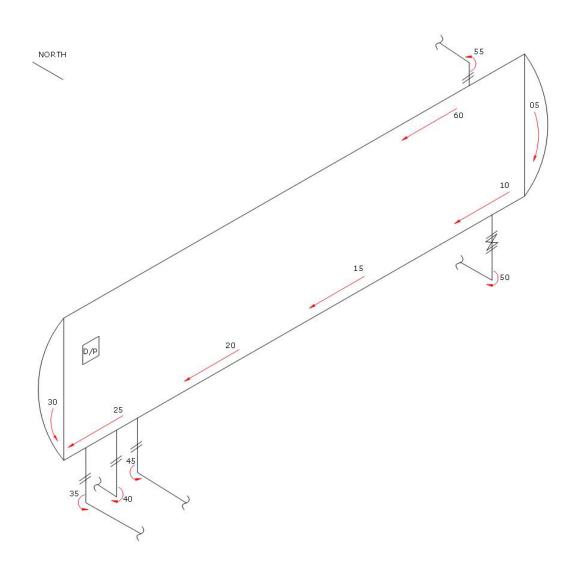
Location Name: ANSELL GAS PLANT LSD: 7-27-51-19W5 A#: Equipment/Tag No. 0571634 N/A Equipment Description: Serial Number: **BULLET** N/A CRN: (or other ID#) U0833.2 MAWP: **250 PSIG** Design Temp: 125°F Shell Material: SA 516 70 Head Material: SA 516 70 Shell Thickness: 0.828" Head Thickness: 0.487" Corrosion Allowance: N/A Date Built: 2007 100" Size: Manufacturer: TRINITY INDUSTRIES RT: 4 Pipe / Rolled Plate: **ROLLED PLATE**

Notes:





Husky Energy





Husky Energy







ASME VIII Div.1

Comments:

Spec:

Ultrasonic Corrosion Survey

Survey Name: Husky Energy Date: Jun 6, 2014

Inspector: W. Gill

Retirement Date:

LSD: 07-27-051-19W5 Area: Ansell Location: Gas Plant A #: Tag Number: Vessel Name: Bullet

CRN: A0571634 Year Built: 2007 Serial Number:

Vessel CA:mmManufacturer:Trinity IndustriesShell MAWP:250psiMAWTF:125°FTube MAWP:MAWTF:

TML De	escription		Baseline				Material:	SA-516-70
05	Head		2014	Flag	CA	Nominal	T Min	Corr. Rate
Shape:	Ellipsoidal	Min	13.260	12.370	0.000	12.370		
OD:	100"	Avg	13.440					Remaining Life:
Spec:	ASME VIII Div.1	Comments:						Retirement Date:
TML De	escription		Baseline				Material:	SA-516-70
10	Shell		2014	Flag	CA	Nominal	T Min	Corr. Rate
Shape:	Cylindrical	Min	21.290	21.031	0.000	21.031		
OD:	100"	Avg	21.490					Remaining Life:
Spec:	ASME VIII Div.1	Comments:						Retirement Date:
TML De	escription		Baseline				Material:	SA-516-70
15	Shell		2014	Flag	CA	Nominal	T Min	Corr. Rate
Shape:	Cylindrical	Min	21.340	21.031	0.000	21.031		
OD:	100"	Avg	21.490					Remaining Life:
Spec:	ASME VIII Div.1	Comments:						Retirement Date:
TML De	escription		Baseline				Material:	SA-516-70
20	Shell		2014	Flag	CA	Nominal	T Min	Corr. Rate
Shape:	Cylindrical	Min	22.050	21.031	0.000	21.031		
OD:	100"	Avg	22.170					Remaining Life:



Spec: ASME B31.3

Ultrasonic Corrosion Survey

Survey Name: Husky Energy Date: Jun 6, 2014

Inspector: W. Gill

Retirement Date:

4/29/2021

LSD:07-27-051-19W5Area:AnsellLocation:Gas PlantA #:A0571634Tag Number:Vessel Name:Bullet

No corrosion found

Comments:

CRN: U0833.2 Year Built: 2007 Serial Number:

Vessel CA:mmManufacturer:Trinity IndustriesShell MAWP:250psiMAWTF:125°FTube MAWP:MAWTF:

TML De	escription		Baseline				Material:	SA-516-70
25	Shell		2014	Flag	CA	Nominal	T Min	Corr. Rate
Shape:	Cylindrical	Min	21.690	21.031	0.000	21.031		
OD:	100"	Avg	21.890					Remaining Life:
Spec:	ASME VIII Div.1	Comments:						Retirement Date:
TML Description			Baseline				Material:	SA-516-70
30	Head		2014	Flag	CA	Nominal	T Min	Corr. Rate
Shape:	Ellipsoidal	Min	13.670	12.370	0.000	12.370		
OD:	100"	Avg	13.820					Remaining Life:
Spec:	ASME VIII Div.1	Comments:						Retirement Date:
TML Description			Baseline				Material:	A-234-WPB
35	Piping		2014	Flag	CA	Nominal	T Min	Corr. Rate
Shape:	90° Elbow	Min	5.490	4.801	0.686	5.486		
OD:	3.5"	Avg	5.740					Remaining Life:
Spec:	ASME B31.3	Comments:						Retirement Date:
ΓML De	escription		Baseline				Material:	A-234-WPB
40	Piping		2014	Flag	CA	Nominal	T Min	Corr. Rate
Shape:	90° Elbow	Min	3.200	3.423	0.489	3.912	2.540	0.102
OD:	2.375"	Avg	3.810					Remaining Life: 6.9 Years



Spec: ASME VIII Div.1

Comments:

Ultrasonic Corrosion Survey

Survey Name: Husky Energy Date: Jun 6, 2014

Inspector: W. Gill

Retirement Date:

LSD: 07-27-051-19W5 Area: Ansell Location: Gas Plant A #: Tag Number: Vessel Name: Bullet

CRN: A0571634 Year Built: 2007 Serial Number:

Vessel CA:mmManufacturer:Trinity IndustriesShell MAWP:250psiMAWTF:125°FTube MAWP:MAWTF:

TML De	escription		Baseline				Material:	A-234-WPB
45	Piping		2014	Flag	CA	Nominal	T Min	Corr. Rate
Shape:	90° Elbow	Min	5.360	4.845	0.692	5.537		
OD:	2.375"	Avg	5.720					Remaining Life:
Spec:	ASME B31.3	Comments:						Retirement Date:
TML De	escription		Baseline				Material:	A-234-WPB
50	Piping		2014	Flag	CA	Nominal	T Min	Corr. Rate
Shape:	90° Elbow	Min	5.260	4.801	0.686	5.486		
OD:	3.5"	Avg	5.540					Remaining Life:
Spec:	ASME B31.3	Comments:						Retirement Date:
TML De	escription		Baseline				Material:	A-234-WPB
55	Piping		2014	Flag	CA	Nominal	T Min	Corr. Rate
Shape:	90° Elbow	Min	5.030	4.801	0.686	5.486		
OD:	3.5"	Avg	5.720					Remaining Life:
Spec:	ASME B31.3	Comments:						Retirement Date:
TML De	escription		Baseline				Material:	SA-516-70
60	Shell		2014	Flag	CA	Nominal	T Min	Corr. Rate
Shape:	Cylindrical	Min	22.020	21.031	0.000	21.031		
OD:	100"	Avg	22.230					Remaining Life:

As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

A 571634

			AS	Required by ti	ie i Tovisiono	01 410 / 1011 = 1				ricates Late 1 Ex	Hacienda de '	Xalna	luehuetoca.
	nufactured and c		Edo de M	Mexico, 54680, M	EXICO	(Name	and add	ress of m	anufacti	arisoles Lote-1, Ex urer)	(-naciellua de /	vaiha,	incinuoto ou,
2. Mai	nufactured for F	latinum	Energy Sen	vices Corporatio	n, 750-333, Ele	eventh Ave., Sou (Name and	address	Calgary, A of purcha	lberta, T aser)	2R 1L9, CANADA			
3. Loc	cation of Installation	on No t	Known			(N	ame and	d address)				
4. Tuo	e Horizontal		H070	0289	U0833	3.23451		854851	rC		H0700289 at'l. Bd. No.)		2007 (Year built)
			/A 46-1	rial No.	(C	RN)		(Drawing	No.)	,		E VES	,
5. Th C(Horiz. or Vert. tank) ne chemical and p ODE. The desigr	ohysical n, consti	properties ruction, and	of all parts me workmanship	et the required conform to A	OIVIE (taloo) = 0	ction VII	I, Division			200: Addenda		
	C	N// ode Ca			Special	N/A Service per UC				(year)		(=/	
6. She	ell: S Matl. (S	A516-7	70 ., Grade)	0.82 Nom. Th		0" Corr. Allow. (in		0' 10.21 9 am. I.D.(f	ft. & in.)	79' Length (overs	all) (ft. & in.)	0.5	8
7. Sea		E 1			0% N/A ff.(%) H.T. Tem		Ğirth. (TYPI Welded, Dbl.	E 1 . Sngl Lap		pot oot or Full)	85 Eff(%)	No. of Courses
8 Hea	ads: (a) Mat'l:			SA516-7			(b)	Mat'l		(Spec	. No., Grade)		
O. 1100			tinimum I	(Spec. No., C	Grade) Crown Radius	Knuckle Radius	Elliptical	Ratio Conic	cal Apex	Hemispherical	Flat Diameter		e to Pressure
	Location (Top, Bottom, Ends		tinimum nickness	Allowance	010111111111111111111111111111111111111			A	ingle	Radius	N/A	<u> </u>	ex or Concave)
(a)	Ends		0.487	0"	N/A	N/A	N/A		N/A	65.45"	N/A	<u> </u>	Jonicave
If rem	ovable, bolts use	d (desc	ribe other f	astenings)				(Mat'l., Sp	N/A pec. No.,	Gr., Size, No.)			
9. MA	AWP	250		N/A	nsi a	t max. temp		125		N/A	_ °F		
J. 1017		ternal)		(external)	po. a		{11	iternal)		(external)	HYDRO.	at 325	psi.
	design metal ten		-20	°F at	250	psi H	ydro, pn	eu., or co	mb. test	pressure	Monday		μ 3ι.
10. N	lozzles, inspectio	n and sa	afety valve	openings:				Nom	т		How	T	Laration
	Purpose	No.	Diam. or S	ize Type		Mat'l.		Nom. Thk.	Rei	nforcement Mat'l.	Attached		Location
<u>(Inlet</u> MANW	t, Outlet, Drain)	1	16"	PTFLG	SA516-70	N		3.688"	INTEG	RAL	(i)UW16.1		Head
	r GAUGE	1	2.5"	CPLG	SA105			3000#	N/A		(y-2)UW16.1 (y-2)UW16.1		N/A
LL-PG		1	0.75"	CPLG	SA105			6000#	N/A N/A		(y-2)UW16.1		N/A
THERN	MOWELL	1	0.75"	CLPG	SA105			6000# 3000#	N/A N/A		(y-2)UW16.1		N/A
	RY GAUGE	1	2"	CPLG RFWN	SA105 SA106-B			0.300"	SA516	-70	(h)UW16.1		N/A
LIQUIE		1	3"-150#	KEVVIN	107100-0								
Additional Nozzles - See Attached U-4 11. Supports: Skirt NO Lugs O Legs O Other Saddles Attached Welded to shell (Where and how) (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:													
12. No		, , , , , , , , , , , , , , , , , , , ,											
				(Name	of part, item r	number, Mfgr's	name ai	ra identity	r 2 rC	امار د SHT 3 r	B. TO BE	USED	
T	ANK, HORIZON	FAL ST	ORAGE:	131.875"OD E LINE 9:	x 60,000w MDMT/PSI	BASED ON U	CS-66(a) & (b)	AND U	G-20(f).			-
Pı	ressure reli	ef dev	rices pe	r UG-125									
				0.5071510.4	TE OF SUO	P/FIELD COM	ADI IΔN	CF				•	
Wed	certify that the st orm to the ASM	atemer	nts made ir for Pressu			Librat all datails	200 to 2	ion maie	erial, co norizatio	nstruction, and on No. 21957	workmanship expires (of thi 9/13/2	s vessel 2007
	03/30/2007		name	Trinity Industri	es de Mexico S	S de R L de CV, F acturer)	Planta Hu	iehuetoca		Signed	(Reprose)	ntative)
				CI	•		ELD INS	PECTIO	N	Late 1 Ev Hagian	da da Yalna Hi	ehueto	ca. Edo de
Vessel constructed by Trinity Industries de Mexico S de R L de CV, Planta Huehuetoca at Mexico, 54680, MEXICO I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province OH have inspected the component described in this Manufacturer's Data Report on have inspected the component described in this Manufacturer's Data Report on have inspected the component described in this Manufacturer's Data Report on have inspected the component described in this Manufacturer's Data Report on have inspected the component described in this Manufacturer's Data Report on have inspected the component described in this Manufacturer's Data Report on have inspected the component described in this Manufacturer's Data Report on have inspected the component described in this Manufacturer's Data Report on have inspected the component described in this Manufacturer's Data Report on have inspected the component described in this Manufacturer's Data Report on have inspected the component described in this Manufacturer's Data Report on have inspected the component described in this Manufacturer's Data Report on have inspected the component described in this Manufacturer's Data Report on the component described in this Manufacturer's Data Report on the component described in this Manufacturer's Data Report on the component described in this Manufacturer's Data Report on the component described in this Manufacturer's Data Report on the component described in this Manufacturer's Data Report on the component described in this Manufacturer's Data Report on the component described in this Manufacturer's Data Report on the component described in this Manufacturer's Data Report on the component described in this Manufacturer's Data Report on the component described in this Manufacturer's Data Report on the component described in this Manufacturer's Data Report on the component described in this Manufacturer's Data Report on the component described in the component d													
Vesse	el constructed by _ rsigned, holding a v	alid comr	niesion issue	ed by The Nationa	Il Rogia oi polie	i qua riessure v	COOCITIO	0001010		state or Province ent described in the	OH is Manufacturer	s Data	Report on
and a	amployed by OneB	eacon An	nerica insura	ince Co. of bosto	1, 1017		T h		of this pro	secure vessel in ac	cordance with A	OIVIL U	oue, occaon
VIII, [March 29, 2007 Division 1. By signi ufacturer's Data Rep	and : ng this ce	rtificate neith	ner the Inspector	nor his employe	er makes any wari ver shall be liable	ranty, exp	ressed or i	implied, o ny persoi	oncerning the pres nal injury or proper	sure vessel des ly damage or a l	oss of a	n ms any kind
Manu	ufacturer's Data Rep ng from or connecter	ort. Furt	hermore, nei	ither the inspecto	Hornie embio)	T			, ,				
			Signed	1.4	LEST A	Cc	ommission	ns	/5.1	12334 Board (incl. endors	A, OH1983	Prov. o	nd No)
	Date 04/04/2	.007	Signed	(Auth	orized his its	tor)			(Nat'l l	Board (Incl. endors	ements), State,	riov. a	iu NU.j

Purpose nlet, Outlet, Drain)	No.	Diam. or Size	Туре	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
L	1	2"-150#	RFWN	SA106-B	0.344"	N/A	(d)UW16.1	N/A
POR	1	2"-150#	RFWN	SA106-B	0.344"	N/A	(d)UW16.1	N/A
POR	1	2"-150#	RFWN	SA106-B	0.344"	N/A	(d)UW16.1	N/A
LIEF	3	4"-300#	RFWN	SA106-B	0.337"	SA516-70	(h)UW16.1	N/A
IDLE	1	3"-150#	RFWN	SA106-B	0.300"	SA516-70	(h)UW16.1	N/A
IDLE	1	3"-150#	RFWN	SA106-B	0.300"	SA516-70	(h)UW16.1	N/A

Certificate of Authorization	n: Type	<u>"U"</u>	No.	21957	Expires	09/13/2007
Date <u>03/30/2007</u>	Name _	Trinity Industries de Mexico S o			Signed	(Romosentative)
Date <u>04/04/2007</u>	Name_	(Aum) of the second)	Commissions:		12334A, OH1983 endorsements), State, Province and No.)

NB67 Rev. 4

7437

exe: v4.5.0