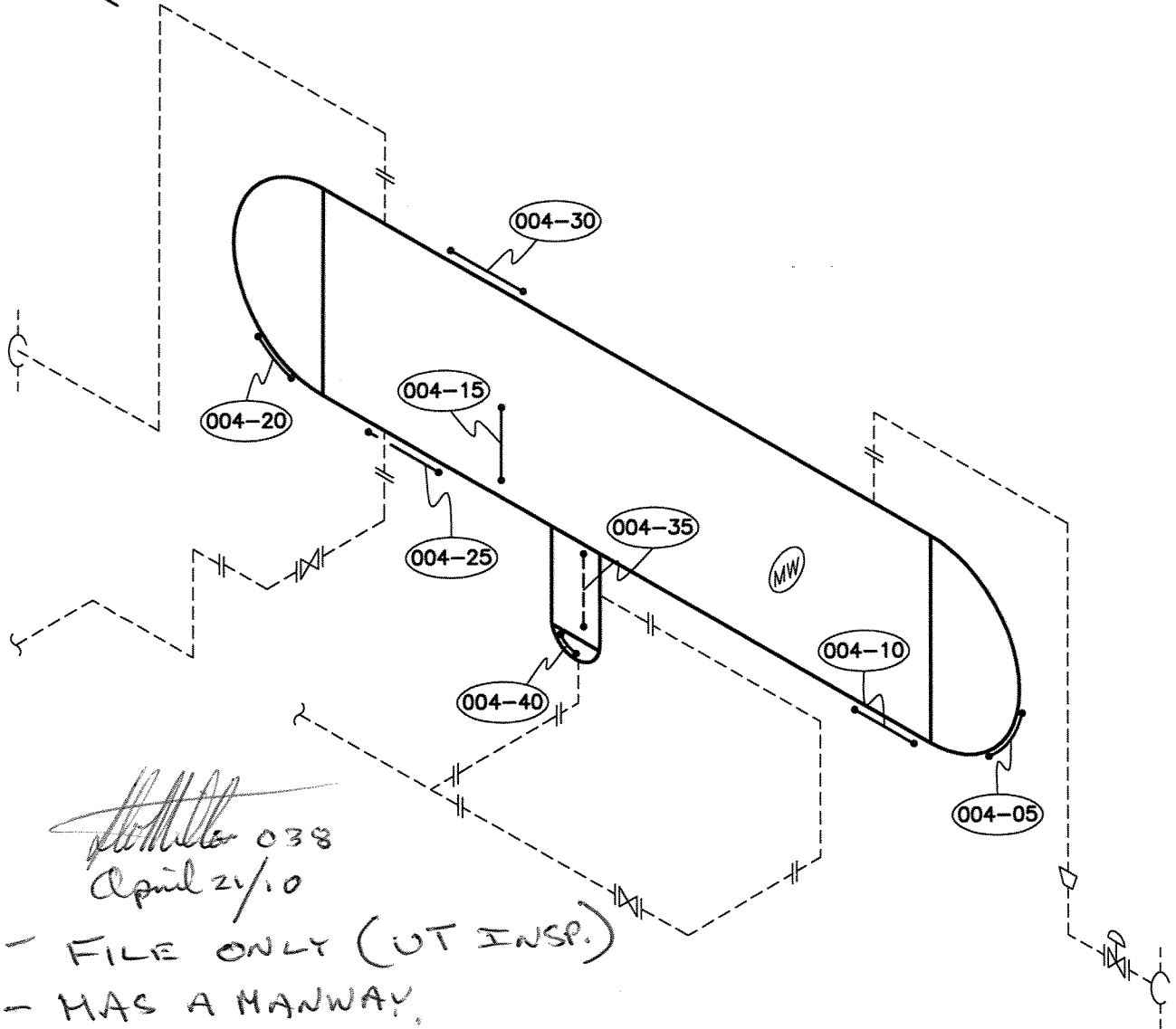
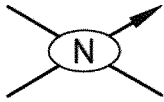


P&ID. # _____
REF. # _____



VESSEL DATA

P.E. No. 4292 Serial No. C305A-HS1 Prov. Reg. No. A3027949 C.R.N. M6805.2
MFR. RUSHTON/PENFABCO Code/Div. CA.062 Para N/S Code Stamp UW
Yr. Bld. 1995 Manway YES Vessel Size N/S Service SWEET PWHT NO
RT 2 Insulated NO

Nominal Thickness & Material

Head: N/S Mat'l: N/S C.A.: N/S Natnl. Board# N/S
Repairs _____
Reason _____

Shell: N/S N/S N/S
Chan Hd: _____
Chan Sh: _____
Boot Hd: _____
Boot Sh: _____

MAWP Shell Side 720PSI @ Temp. 120°F
MAWP Tube Side _____ @ Temp. _____

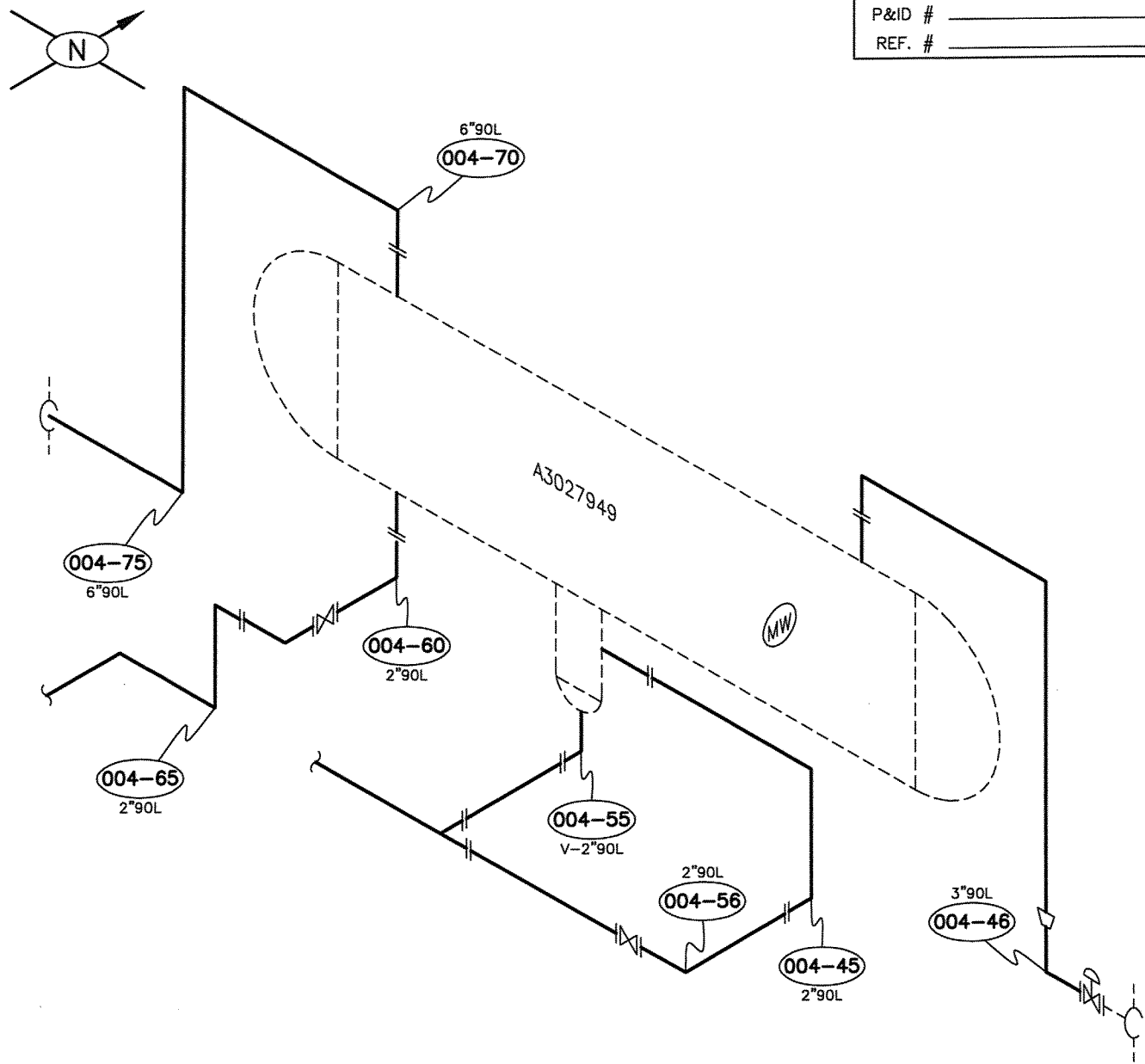
COMMENTS: _____

EXXONMOBILE
BIGSTONE 04-16 COMPRESSOR STATION
LSD 04-16-060-22W5M

HORIZONTAL SEPARATOR

TECH.: <u>S.J.</u>	REV. DATE:	DWG DATE: <u>2007/10</u>
CAD: <u>A.Z.</u>	REVISION:	DRAWING: <u>004</u>

P&ID # _____
 REF. # _____



PIPING DATA

CORROSION MONITORING LOCATION:	SIZE	PROC.	LINE #	SPEC.	SCH.	NOM.THK.	CORR. ALLW.	MIN.THK.	CAL.THK.	FLG. RATING
004-45/50/65	2"				80	0.217"	ASTM	0.191"		
004-46	3"				40	0.217"	ASTM	0.189"		
004-55	2"				80	0.437"	N/S	0.437"		
004-60	2"				160	0.343"	ASTM	0.301"		
004-70/75	6"				40	0.280"	ASTM	0.245"		

COMMENTS: _____

EXXONMOBILE
 BIGSTONE 04-16 COMPRESSOR STATION
 LSD 04-16-060-22W5M

HORIZONTAL SEPARATOR PIPING

TECH.: S.J.	REV. DATE:	DWG. DATE: 2007/10
CAD: A.Z.	REVISION:	DRAWING: 004A

EXXONMOBIL
 BIGSTONE 04-16 COMPRESSOR STATION - (111)
 AREA #1 - (01)

TEAM Industrial Services

Item Desc.:	HORIZONTAL SEPARATOR		Lsd: 04-16-060-22W5M
Prov. Reg.:	A3027949	Equip. No.: 4292	Ser. No.: C605A-HS1
SKID No.:		PSV No.:	Last VE Date:

Description: EAST BTM HEAD

CML: 004-05

		C.A. as per		
Nominal:	1.000	IOR	C.A. L.F.L.:	0.063
t Min.:	0.937	0.063	L.F.L.:	0.937
C.A. Calc.:	0.063	07-03	Mths.To L.F.L.:	

Con't Service: YES
 Insp. Intv. 12
 Add'l Assm't: YES

Survey Dates: 2007-10

Reading 01:	0.996	_____
Reading 02:	1.012	_____
Reading 03:	1.016	_____
Reading 04:	1.024	_____
Reading 05:	1.035	_____
Reading 06:	1.035	_____
Reading 07:	1.075	_____

Data Evaluation

Lowest Reading :	0.996
Average - Low 3 :	1.008
Thk.Rem. Above LFL :	0.059
Indv. Short Term Rate (in/yr) :	
Short Term Rate (in/yr) :	
LongTerm Rate (in/yr) :	

Comments:
 ASSUMED NOMINAL

Description: EAST BTM SHELL

CML: 004-10

		C.A. as per		
Nominal:	1.000	IOR	C.A. L.F.L.:	0.063
t Min.:	0.937	0.063	L.F.L.:	0.937
C.A. Calc.:	0.063	07-03	Mths.To L.F.L.:	

Con't Service: YES
 Insp. Intv. 12
 Add'l Assm't: YES

Survey Dates: 2007-10

Reading 01:	1.000	_____
Reading 02:	1.004	_____
Reading 03:	1.004	_____
Reading 04:	1.008	_____
Reading 05:	1.004	_____

Data Evaluation

Lowest Reading :	1.000
Average - Low 3 :	1.003
Thk.Rem. Above LFL :	0.063
Indv. Short Term Rate (in/yr) :	
Short Term Rate (in/yr) :	
LongTerm Rate (in/yr) :	

Comments:
 ASSUMED NOMINAL

EXXONMOBIL
 BIGSTONE 04-16 COMPRESSOR STATION - (111)
 AREA #1 - (01)

TEAM Industrial Services

Item Desc.:	HORIZONTAL SEPARATOR		Lsd: 04-16-060-22W5M
Prov. Reg.:	A3027949	Equip. No.: 4292	Ser. No.: C605A-HS1
SKID No.		PSV No.:	Last VE Date:

Description: MID SHELL

CML: 004-15

		C.A. as per		
Nominal:	1.000	IOR	C.A. L.F.L.:	0.063
t Min.:	0.937	0.063	L.F.L.:	0.937
C.A. Calc.:	0.063	07-03	Mths.To L.F.L.:	

Con't Service: YES
 Insp. Intv. 12
 Add'l Assm't: YES

Survey Dates: 2007-10

Reading 01:	1.024	_____
Reading 02:	1.020	_____
Reading 03:	1.020	_____
Reading 04:	1.020	_____
Reading 05:	1.020	_____
Reading 06:	1.020	_____

Data Evaluation

Lowest Reading	:	1.020
Average - Low 3	:	1.020
Thk.Rem. Above LFL	:	0.083
Indv. Short Term Rate (in/yr)	:	
Short Term Rate (in/yr)	:	
LongTerm Rate (in/yr)	:	

Comments:
 ASSUMED NOMINAL

Description: WEST BTM HEAD

CML: 004-20*

		C.A. as per		
Nominal:	1.000	IOR	C.A. L.F.L.:	0.063
t Min.:	0.937	0.063	L.F.L.:	0.937
C.A. Calc.:	0.063	07-03	Mths.To L.F.L.:	

Con't Service: YES
 Insp. Intv. 12
 Add'l Assm't: YES

Survey Dates: 2007-10

Reading 01:	0.984	_____
Reading 02:	0.984	_____
Reading 03:	1.000	_____
Reading 04:	1.008	_____
Reading 05:	1.008	_____
Reading 06:	1.020	_____
Reading 07:	1.028	_____
Reading 08:	1.047	_____

Data Evaluation

Lowest Reading	:	0.984
Average - Low 3	:	0.989
Thk.Rem. Above LFL	:	*0.047
Indv. Short Term Rate (in/yr)	:	
Short Term Rate (in/yr)	:	
LongTerm Rate (in/yr)	:	

Comments:
 ASSUMED NOMINAL

EXXONMOBIL
 BIGSTONE 04-16 COMPRESSOR STATION - (111)
 AREA #1 - (01)

TEAM Industrial Services

Item Desc.:	HORIZONTAL SEPARATOR		Lsd: 04-16-060-22W5M
Prov. Reg.:	A3027949	Equip. No.: 4292	Ser. No.: C605A-HS1
SKID No.:		PSV No.:	Last VE Date:

Description: BTM SHELL

CML: 004-25

		C.A. as per		
Nominal:	1.000	IOR	C.A. L.F.L.:	0.063
t Min.:	0.937	0.063	L.F.L.:	0.937
C.A. Calc.:	0.063	07-03	Mths.To L.F.L.:	

Con't Service: YES
 Insp. Intv. 12
 Add'l Assm't: YES

Survey Dates: 2007-10

Reading 01:	0.996	_____
Reading 02:	1.008	_____
Reading 03:	1.012	_____
Reading 04:	1.016	_____
Reading 05:	1.020	_____
Reading 06:	1.012	_____
Reading 07:	1.012	_____

Data Evaluation

Lowest Reading	:	0.996
Average - Low 3	:	1.005
Thk.Rem. Above LFL	:	0.059
Indv. Short Term Rate (in/yr)	:	
Short Term Rate (in/yr)	:	
LongTerm Rate (in/yr)	:	

Comments:
 ASSUMED NOMINAL

Description: TOP SHELL E-W

CML: 004-30

		C.A. as per		
Nominal:	1.000	IOR	C.A. L.F.L.:	0.063
t Min.:	0.937	0.063	L.F.L.:	0.937
C.A. Calc.:	0.063	07-03	Mths.To L.F.L.:	

Con't Service: YES
 Insp. Intv. 12
 Add'l Assm't: YES

Survey Dates: 2007-10

Reading 01:	1.012	_____
Reading 02:	1.012	_____
Reading 03:	1.012	_____
Reading 04:	1.016	_____
Reading 05:	1.020	_____
Reading 06:	1.020	_____

Data Evaluation

Lowest Reading	:	1.012
Average - Low 3	:	1.012
Thk.Rem. Above LFL	:	0.075
Indv. Short Term Rate (in/yr)	:	
Short Term Rate (in/yr)	:	
LongTerm Rate (in/yr)	:	

Comments:
 ASSUMED NOMINAL

EXXONMOBIL
 BIGSTONE 04-16 COMPRESSOR STATION - (111)
 AREA #1 - (01)

TEAM Industrial Services

Item Desc.: HORIZONTAL SEPARATOR	Lsd: 04-16-060-22W5M
Prov. Reg.: A3027949	Equip. No.: 4292
SKID No.	PSV No.:
	Ser. No.: C605A-HS1
	Last VE Date:

Description: WATER BOOT SHELL

CML: 004-35

		C.A. as per			
Nominal:	0.587	IOR	C.A. L.F.L.:	0.063	Con't Service: YES
t Min.:	0.524	0.063	L.F.L.:	0.524	Insp. Intv. 12
C.A. Calc.:	0.063	07-03	Mths.To L.F.L.:		Add'l Assm't: YES

Survey Dates: 2007-10

Reading 01:	0.594	_____
Reading 02:	0.591	_____
Reading 03:	0.591	_____
Reading 04:	0.591	_____
Reading 05:	0.594	_____

Data Evaluation

Lowest Reading	:	0.591
Average - Low 3	:	0.591
Thk.Rem. Above LFL	:	0.067
Indv. Short Term Rate (in/yr)	:	
Short Term Rate (in/yr)	:	
LongTerm Rate (in/yr)	:	

Comments:
 ASSUMED NOMINAL

Description: WATER BOOT HEAD

CML: 004-40

		C.A. as per			
Nominal:	0.646	IOR	C.A. L.F.L.:	0.063	Con't Service: YES
t Min.:	0.583	0.063	L.F.L.:	0.583	Insp. Intv. 12
C.A. Calc.:	0.063	07-03	Mths.To L.F.L.:		Add'l Assm't: YES

Survey Dates: 2007-10

Reading 01:	0.740	_____
Reading 02:	0.713	_____
Reading 03:	0.638	_____
Reading 04:	0.657	_____
Reading 05:	0.669	_____

Data Evaluation

Lowest Reading	:	0.638
Average - Low 3	:	0.655
Thk.Rem. Above LFL	:	0.055
Indv. Short Term Rate (in/yr)	:	
Short Term Rate (in/yr)	:	
LongTerm Rate (in/yr)	:	

Comments:
 ASSUMED NOMINAL

EXXONMOBIL
 BIGSTONE 04-16 COMPRESSOR STATION - (111)
 AREA #1 - (01)

TEAM Industrial Services

Item Desc.:	HORIZONTAL SEPARATOR		Lsd: 04-16-060-22W5M
Prov. Reg.:	A3027949	Equip. No.: 4292	Ser. No.: C605A-HS1
SKID No.:		PSV No.:	Last VE Date:

Description: 2"90L OUTLET

CML: 004-45

		C.A. as per		
Nominal:	0.217	IOR	C.A. L.F.L.:	0.090
t Min.:	0.127	0.063	L.F.L.:	0.127
C.A. Calc.:	0.090	07-03	Mths.To L.F.L.:	

Con't Service: YES
 Insp. Intv. 12
 Add'l Assm't: YES

Survey Dates: 2007-10

Reading 01:	0.213	_____
Reading 02:	0.217	_____
Reading 03:	0.213	_____
Reading 04:	0.217	_____
Reading 05:	0.220	_____

Data Evaluation

Lowest Reading	:	0.213
Average - Low 3	:	0.214
Thk.Rem. Above LFL	:	0.086
Indv. Short Term Rate (in/yr)	:	
Short Term Rate (in/yr)	:	
LongTerm Rate (in/yr)	:	

Description: 3"90L OUTLET

CML: 004-46

		C.A. as per		
Nominal:	0.217	IOR	C.A. L.F.L.:	0.090
t Min.:	0.127	0.063	L.F.L.:	0.127
C.A. Calc.:	0.090	07-03	Mths.To L.F.L.:	

Con't Service: YES
 Insp. Intv. 12
 Add'l Assm't: YES

Survey Dates: 2007-10

Reading 01:	0.228	_____
Reading 02:	0.224	_____
Reading 03:	0.228	_____
Reading 04:	0.224	_____
Reading 05:	0.224	_____

Data Evaluation

Lowest Reading	:	0.224
Average - Low 3	:	0.224
Thk.Rem. Above LFL	:	0.097
Indv. Short Term Rate (in/yr)	:	
Short Term Rate (in/yr)	:	
LongTerm Rate (in/yr)	:	

EXXONMOBIL
 BIGSTONE 04-16 COMPRESSOR STATION - (111)
 AREA #1 - (01)

TEAM Industrial Services

Item Desc.:	HORIZONTAL SEPARATOR		Lsd: 04-16-060-22W5M
Prov. Reg.:	A3027949	Equip. No.: 4292	Ser. No.: C605A-HS1
SKID No.		PSV No.:	Last VE Date:

Description: VESSEL 2"90L DRAIN

CML: 004-55**

		C.A. as per		
Nominal:	0.437	IOR	C.A. L.F.L.:	0.063
t Min.:	0.374	0.063	L.F.L.:	0.374
C.A. Calc.:	0.063	07-03	Mths.To L.F.L.:	

Con't Service: YES
 Insp. Intv. 0
 Add'l Assm't: YES

Survey Dates: 2007-10

Reading 01:	0.402	_____
Reading 02:	0.378	_____
Reading 03:	0.362	_____
Reading 04:	0.362	_____
Reading 05:	0.370	_____
Reading 06:	0.378	_____

Data Evaluation

Lowest Reading	:	0.362
Average - Low 3	:	0.365
Thk.Rem. Above LFL	:	**0.012
Indv. Short Term Rate (in/yr)	:	
Short Term Rate (in/yr)	:	
LongTerm Rate (in/yr)	:	

Description: 2"90L DRAIN

CML: 004-60*

		C.A. as per		
Nominal:	0.343	IOR	C.A. L.F.L.:	0.106
t Min.:	0.237	0.063	L.F.L.:	0.237
C.A. Calc.:	0.106	07-03	Mths.To L.F.L.:	

Con't Service: YES
 Insp. Intv. 12
 Add'l Assm't: YES

Survey Dates: 2007-10

Reading 01:	0.339	_____
Reading 02:	0.315	_____
Reading 03:	0.315	_____
Reading 04:	0.319	_____
Reading 05:	0.331	_____

Data Evaluation

Lowest Reading	:	0.315
Average - Low 3	:	0.316
Thk.Rem. Above LFL	:	*0.078
Indv. Short Term Rate (in/yr)	:	
Short Term Rate (in/yr)	:	
LongTerm Rate (in/yr)	:	

EXXONMOBIL
 BIGSTONE 04-16 COMPRESSOR STATION - (111)
 AREA #1 - (01)

TEAM Industrial Services

Item Desc.:	HORIZONTAL SEPARATOR		Lsd: 04-16-060-22W5M
Prov. Reg.:	A3027949	Equip. No.: 4292	Ser. No.: C605A-HS1
SKID No.:		PSV No.:	Last VE Date:

Description: 2"90L DRAIN

CML: 004-65

		C.A. as per		
Nominal:	0.217	IOR	C.A. L.F.L.:	0.090
t Min.:	0.127	0.063	L.F.L.:	0.127
C.A. Calc.:	0.090	07-03	Mths.To L.F.L.:	

Con't Service: YES
 Insp. Intv. 12
 Add'l Assm't: YES

Survey Dates: 2007-10

Reading 01: 0.201
 Reading 02: 0.201
 Reading 03: 0.205
 Reading 04: 0.205
 Reading 05: 0.205

Data Evaluation

Lowest Reading : 0.201
 Average - Low 3 : 0.202
 Thk.Rem. Above LFL : 0.074
 Indv. Short Term Rate (in/yr) :
 Short Term Rate (in/yr) :
 LongTerm Rate (in/yr) :

Description: 6"90L INLET

CML: 004-70

		C.A. as per		
Nominal:	0.280	IOR	C.A. L.F.L.:	0.098
t Min.:	0.182	0.063	L.F.L.:	0.182
C.A. Calc.:	0.098	07-03	Mths.To L.F.L.:	

Con't Service: YES
 Insp. Intv. 12
 Add'l Assm't: YES

Survey Dates: 2007-10

Reading 01: 0.291
 Reading 02: 0.291
 Reading 03: 0.291
 Reading 04: 0.287
 Reading 05: 0.295
 Reading 06: 0.299
 Reading 07: 0.299

Data Evaluation

Lowest Reading : 0.287
 Average - Low 3 : 0.290
 Thk.Rem. Above LFL : 0.105
 Indv. Short Term Rate (in/yr) :
 Short Term Rate (in/yr) :
 LongTerm Rate (in/yr) :

EXXONMOBIL
 BIGSTONE 04-16 COMPRESSOR STATION - (111)
 AREA #1 - (01)

TEAM Industrial Services

Item Desc.: HORIZONTAL SEPARATOR	Lsd: 04-16-060-22W5M
Prov. Reg.: A3027949	Equip. No.: 4292
SKID No.	PSV No.:
	Ser. No.: C605A-HS1
	Last VE Date:

Description: 6"90L INLET

CML: 004-75

	C.A. as per			
Nominal:	0.280	IOR	C.A. L.F.L.:	0.098
t Min.:	0.182	0.063	L.F.L.:	0.182
C.A. Calc.:	0.098	07-03	Mths.To L.F.L.:	
			Con't Service:	YES
			Insp. Intv.	12
			Add'l Assm't:	YES

Survey Dates: 2007-10

Reading 01:	0.280	_____
Reading 02:	0.283	_____
Reading 03:	0.283	_____
Reading 04:	0.287	_____
Reading 05:	0.291	_____
Reading 06:	0.299	_____
Reading 07:	0.303	_____

Data Evaluation

Lowest Reading	:	0.280
Average - Low 3	:	0.282
Thk.Rem. Above LFL	:	0.098
Indv. Short Term Rate (in/yr)	:	
Short Term Rate (in/yr)	:	
LongTerm Rate (in/yr)	:	

EXXONMOBIL
 BIGSTONE 04-16 COMPRESSOR STATION - (111)
 AREA #1 - (01)

TEAM Industrial Services

Item Desc.:	HORIZONTAL SEPARATOR		Lsd: 04-16-060-22W5M
Prov. Reg.:	A3027949	Equip. No.: 4292	Ser. No.: C605A-HS1

004

MINIMUM THICKNESS / CORROSION RATE SUMMARY

Date	CML	Description:	Nom. Thk.	C.A. as per	C.A. Calc.	<u>t</u> <u>Min.</u>	Lowest Recorded Reading	Indv. Short Term Corr. Rate	Short Term Corr. Rate	Long Term Corr. Rate	Mths. Rem. To LFL
2007-10	20	WEST BTM HEAD	1.000	IOR 0.063 07-03	0.063	<u>0.937</u>	0.984				
2007-10	55	VESSEL 2"90L DRAIN	0.437	IOR 0.063 07-03	0.063	<u>0.374</u>	0.362				
2007-10	60	2"90L DRAIN	0.343	IOR 0.063 07-03	0.106	<u>0.237</u>	0.315				

COMMENTS:

- 05 ASSUMED NOMINAL
- 10 ASSUMED NOMINAL
- 15 ASSUMED NOMINAL
- 20 ASSUMED NOMINAL
- 25 ASSUMED NOMINAL
- 30 ASSUMED NOMINAL
- 35 ASSUMED NOMINAL
- 40 ASSUMED NOMINAL