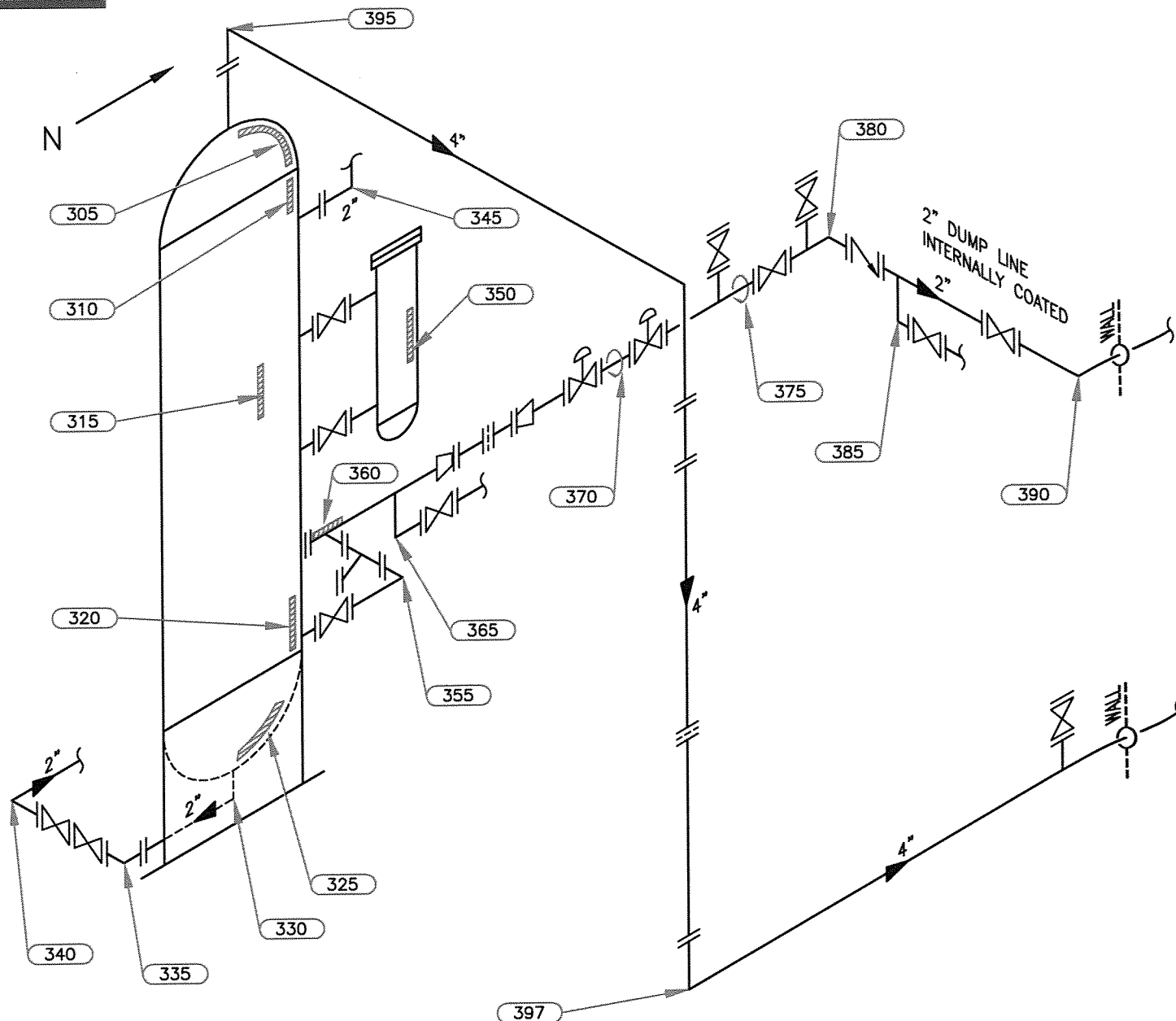


66146158

RTD
 QUALITY SERVICES


Equip. No. V-102 Prov. Reg. No. Ⓐ 506454 C.R.N. R 3254.21 Serial No. B 6994 Yr. Inst. _____
 Code/Div. ASME Size: _____ Manufacturer: ENERFLEX Yr. Bld. 2003
 C. Stamp: _____ Service: SOUR PWHT: YES Radiography: RT-1 Insulated: NO

Design & Materials Data

HEAD:
 Mat'l. SA 516-70N Nom. 31.2mm C.A. 3.2mm
 Mat'l. SA 516-70N Nom. 31.2mm C.A. 3.2mm
 CHANNEL:
 Material: _____ Nominal: _____ C.A. _____
 BOOT
 Head Mat'l. _____ Head Nom. _____ Head C.A. _____
 Shell Mat'l. _____ Shell Nom. _____ Shell C.A. _____
 SHELL
 Material: SA 516-70N Nominal: 31.8mm C.A. 3.2mm
 MAWP Shell Side: 9653 kPa @ Temp. 70°C
 MAWP Tube Side: _____ @ Temp. _____

 CLIENT **PETRO CANADA OIL AND GAS**

 FACILITY **HANLAN ROBB GAS PLANT**
UNIT # 50 MINE HEAD
LSD 14-06

 ITEM **SEPARATOR**

 BY: **EG**

 DATE: **05/2004**

 DWG.# **3**



UTS DATA

CLIENT: PETRO-CANADA OIL AND GAS

FACILITY: UNIT 50 MINEHEAD

EQUIPMENT: SEPARATOR

SERVICE: SOUR

EQUIPMENT ID#: V-102

LOCATION: 14-06-49-19 W5M

PROV REG: A 506454

RTD JOB #: 2121176

TESTED ON STREAM

REFER TO DRAWING: 3

Test Point	THICKNESS DATA								Flag	Crit	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Flag Date
305																
Description: TOP HEAD																
	2004	4	2005	4	2006	4	2007	5								
Min. Thick.	35.0		35.0		35.0		35.0		28.0	28.0	3.2	31.2	0	0		L
Average:	35.5		35.5		35.5		35.5						0	0		L
Analysis:																
310																
Description: TOP SHELL																
	2004	4	2005	4	2006	4	2007	5								
Min. Thick.	32.0		32.0		32.0		32.0		28.6	28.6	3.2	31.8	0	0		L
Average:	32.5		32.5		32.5		32.5						0	0		L
Analysis: 2006/04 EXTERIOR GRIND AREA																
315																
Description: MID SHELL																
	2004	4	2005	4	2006	4	2007	5								
Min. Thick.	32.8		32.8		32.8		32.8		28.6	28.6	3.2	31.8	0	0		L
Average:	33.1		33.1		33.1		33.1						0	0		L
Analysis:																
320																
Description: BOTTOM SHELL																
	2004	4	2005	4	2006	4	2007	5								
Min. Thick.	32.3		32.3		32.3		32.3		28.6	28.6	3.2	31.8	0	0		L
Average:	32.6		32.6		32.6		32.6						0	0		L
Analysis:																
325																
Description: BOTTOM HEAD																
	2004	4	2005	4	2006	4	2007	5								
Min. Thick.	34.0		34.0		34.0		34.0		28.0	28.0	3.2	31.2	0	0		L
Average:	34.5		34.5		34.5		34.5						0	0		L
Analysis:																
330																
Description: 2" 90° ELBOW @ DRAIN NOZZLE																
	2003	10	2004	4	2005	4	2006	4	2007	5						
Min. Thick.	7.8		8.4		8.4		8.4		5.5	5.5	3.2	8.7	0	0		S
Average:	7.9		8.9		8.9		8.9		8.9				0	0		S
Analysis:																



UTS DATA

CLIENT: PETRO-CANADA OIL AND GAS

FACILITY: UNIT 50 MINEHEAD

EQUIPMENT: SEPARATOR PIPING

SERVICE: SOUR

EQUIPMENT ID#:

LOCATION: 14-06-49-19 W5M

PROV REG:

RTD JOB #: 2121176

TESTED ON STREAM

REFER TO DRAWING: 3

Test Point	THICKNESS DATA										Flag	Crit	C.A.	Nom.	Short Term	Long Term	Ave. mm/p
335																	
Description: 2" 90° ELBOW																	
	2003	10	2004	4	2005	4	2006	4	2007	5							
Min. Thick.	7.0		7.0		7.0		7.0		7.0		2.5	2.5	6.2	8.7	0	0	L
Average:	7.7		7.7		7.7		7.7		7.7						0	0	L
Analysis: 2003/10 MIN SCAN @ MID BAND.																	
340																	
Description: 2" 90° ELBOW																	
	2003	10	2004	4	2005	4	2006	4	2007	5							
Min. Thick.	4.1		4.1		4.1		4.1		4.1		2.5	2.5	1.4	3.9	0	0	L
Average:	4.4		4.4		4.4		4.4		4.4						0	0	L
Analysis:																	
345																	
Description: 2" 90° ELBOW																	
	2003	10	2004	4	2005	4	2006	4	2007	5							
Min. Thick.	8.0		7.8		7.8		7.8		7.8		2.5	2.5	6.2	8.7	0	.06	L
Average:	8.4		8.2		8.2		8.2		8.2						0	.06	L
Analysis:																	
350																	
Description: SIDE SHELL ON FLOAT																	
	2003	10	2004	4	2005	4	2006	4	2007	5							
Min. Thick.	8.3		7.9		7.9		7.9		7.9		2.5	2.5	6.2	8.7	0	.11	L
Average:	8.5		8.1		8.1		8.1		8.1						0	.11	L
Analysis: 2004/04 MID SCAN @ END OF BAND																	
355																	
Description: 2" 90° ELBOW																	
	2004	4	2005	4	2006	4	2007	5									
Min. Thick.	8.4		8.4		8.4		8.4				2.5	2.5	6.2	8.7	0	0	L
Average:	8.7		8.7		8.7		8.7								0	0	L
Analysis: 2004/04 NEW PIPE																	
360																	
Description: 2" TEE																	
	2004	4	2005	4	2006	4	2007	5									
Min. Thick.	11.2		11.2		11.2		11.2				2.5	2.5	6.2	8.7	0	0	L
Average:	14.2		14.2		14.2		14.2								0	0	L
Analysis: 2004/04 MID SCAN @ U.S.W																	



UTS DATA

CLIENT: PETRO-CANADA OIL AND GAS

FACILITY: UNIT 50 MINEHEAD

EQUIPMENT: SEPARATOR PIPING

SERVICE: SOUR

EQUIPMENT ID#:

LOCATION: 14-06-49-19 W5M

PROV REG:

RTD JOB #: 2121176

TESTED ON STREAM

REFER TO DRAWING: 3

Test Point	THICKNESS DATA								Flag	Crit	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Flag Data
365																
Description:	2" 90° ELBOW															
	2004	4	2005	4	2006	4	2007	5								
Min. Thick.	8.7		8.7		8.7		8.9		2.5	2.5	6.2	8.7	0	0	L	
Average:	9.0		9.0		9.0		9.0						0	0	L	
Analysis:	2004/04 NEW PIPE															
370																
Description:	360° CIRC ON 2"															
	2004	4	2005	4	2006	4	2007	5								
Min. Thick.	8.2		8.2		8.2		8.2		2.5	2.5	6.2	8.7	0	0	L	
Average:	8.4		8.4		8.4		8.4						0	0	L	
Analysis:	2004/04 NEW PIPE															
375																
Description:	360° CIRC ON 2"															
	2004	4	2005	4	2006	4	2007	5								
Min. Thick.	8.3		8.3		8.3		8.3		2.5	2.5	6.2	8.7	0	0	L	
Average:	8.5		8.3		8.5		8.5						0	0	L	
Analysis:	2004/04 NEW PIPE															
380																
Description:	2" 90° ELBOW															
	2004	4	2005	4	2006	4	2007	5								
Min. Thick.	8.3		8.3		8.3		8.3		2.5	2.5	6.2	8.7	0	0	L	
Average:	8.6		8.6		8.6		8.6						0	0	L	
Analysis:	2004/04 NEW PIPE															
385																
Description:	2" 90° ELBOW															
	2004	4	2005	4	2006	4	2007	5								
Min. Thick.	8.5		8.5		8.5		8.5		2.5	2.5	6.2	8.7	0	0	L	
Average:	8.8		8.8		8.8		8.8						0	0	L	
Analysis:	2004/04 NEW PIPE															
390																
Description:	2" 90° ELBOW															
	2004	4	2005	4	2006	4	2007	5								
Min. Thick.	6.6		6.6		6.6		6.6		2.5	2.5	6.2	8.7	0	0	L	
Average:	7.6		7.6		7.6		7.6						0	0	L	
Analysis:	2004/04 MID SCAN @ MID BAND, NEW PIPE															



UTS DATA

CLIENT: PETRO-CANADA OIL AND GAS

FACILITY: UNIT 50 MINEHEAD

EQUIPMENT: SEPARATOR PIPING

SERVICE: SOUR

EQUIPMENT ID#:

LOCATION: 14-06-49-19 W5M

PROV REG:

RTD JOB #: 2121176

TESTED ON STREAM

REFER TO DRAWING: 3

Test Point	THICKNESS DATA										Flag	Crit	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Flag Date
395																		
Description: 4" 90° ELBOW																		
	2003	10	2004	4	2005	4	2006	4	2007	5								
Min. Thick.	8.2		8.0		8.0		8.0		8.0		4.2	4.2	4.4	8.6	0	.06	L	
Average:	8.5		8.3		8.3		8.3		8.3						0	.06	L	
Analysis:																		
397																		
Description: 4" 90° ELBOW																		
	2003	10	2004	4	2005	4	2006	4	2007	5								
Min. Thick.	7.7		7.7		7.6		7.6		7.6		4.2	4.2	4.4	8.6	0	.03	L	
Average:	8.1		8.1		8.0		8.0		8.0						0	.03	L	
Analysis:																		