



Diversified Technology Services

2045 Preisker Ln. Suite A, - Santa Maria, CA 93454 - (805) 928-6392

"t-min" Variable and Summary Report

Client: DTS Client	Location: Somewhere USA	Design Temp.: 200 / N/A ° F	Year Built: 1984
Date of Inspection: March 8, 2004		Design Press.: 260 / N/A PSI	Year of Inspection: 2004
Desc.: Production Separator		Corr. Allow.: 0.1875 / N/A In.	Max Interval in Years: 5.0
Equip: V-1		Service: Production-Gas/Liquid	

TML #	Part Description	Diam.		First or Nominal Thickness	Corrosion Allowance	Structural Retire Thickness	Calc. Temp.	Calc. Pressure	Allowable Stress	Joint Eff.	Formula	Calc. Press. T-Min
		Size In.	Mill Tol.									
1.01	E Head (S)	87.75	0.0%	1.125	0.1875	0.938	200	260	17,500	1.00	t=PD/2SE-0.2P	0.653
1.02	E Head (S)	87.75	0.0%	1.125	0.1875	0.938	200	260	17,500	1.00	t=PD/2SE-0.2P	0.653
1.03	E Head (S)	87.75	0.0%	1.125	0.1875	0.938	200	260	17,500	1.00	t=PD/2SE-0.2P	0.653
1.04	E Head (S)	87.75	0.0%	1.125	0.1875	0.938	200	260	17,500	1.00	t=PD/2SE-0.2P	0.653
2.01	Shell	88.25	0.0%	0.875	0.1875	0.688	200	260	17,500	1.00	t=Pr/SE-0.6P	0.661
2.02	Shell	88.25	0.0%	0.875	0.1875	0.688	200	260	17,500	1.00	t=Pr/SE-0.6P	0.661
2.03	Shell	88.25	0.0%	0.875	0.1875	0.688	200	260	17,500	1.00	t=Pr/SE-0.6P	0.661
2.04	Shell	88.25	0.0%	0.875	0.1875	0.688	200	260	17,500	1.00	t=Pr/SE-0.6P	0.661
3.01	Shell	88.25	0.0%	0.875	0.1875	0.688	200	260	17,500	1.00	t=Pr/SE-0.6P	0.661
3.02	Shell	88.25	0.0%	0.875	0.1875	0.688	200	260	17,500	1.00	t=Pr/SE-0.6P	0.661
3.03	Shell	88.25	0.0%	0.875	0.1875	0.688	200	260	17,500	1.00	t=Pr/SE-0.6P	0.661
3.04	Shell	88.25	0.0%	0.875	0.1875	0.688	200	260	17,500	1.00	t=Pr/SE-0.6P	0.661
4.01	Shell	88.25	0.0%	0.875	0.1875	0.688	200	260	17,500	1.00	t=Pr/SE-0.6P	0.661
4.02	Shell	88.25	0.0%	0.875	0.1875	0.688	200	260	17,500	1.00	t=Pr/SE-0.6P	0.661
4.03	Shell	88.25	0.0%	0.875	0.1875	0.688	200	260	17,500	1.00	t=Pr/SE-0.6P	0.661
4.04	Shell	88.25	0.0%	0.875	0.1875	0.688	200	260	17,500	1.00	t=Pr/SE-0.6P	0.661
5.01	Shell	88.25	0.0%	0.875	0.1875	0.688	200	260	17,500	1.00	t=Pr/SE-0.6P	0.661
5.02	Shell	88.25	0.0%	0.875	0.1875	0.688	200	260	17,500	1.00	t=Pr/SE-0.6P	0.661
5.03	Shell	88.25	0.0%	0.875	0.1875	0.688	200	260	17,500	1.00	t=Pr/SE-0.6P	0.661
5.04	Shell	88.25	0.0%	0.875	0.1875	0.688	200	260	17,500	1.00	t=Pr/SE-0.6P	0.661
6.01	E Head (S)	87.75	0.0%	1.125	0.1875	0.938	200	260	17,500	1.00	t=PD/2SE-0.2P	0.653
6.02	E Head (S)	87.75	0.0%	1.125	0.1875	0.938	200	260	17,500	1.00	t=PD/2SE-0.2P	0.653
6.03	E Head (S)	87.75	0.0%	1.125	0.1875	0.938	200	260	17,500	1.00	t=PD/2SE-0.2P	0.653
6.04	E Head (S)	87.75	0.0%	1.125	0.1875	0.938	200	260	17,500	1.00	t=PD/2SE-0.2P	0.653
7.01	Nozzle A	18	12.5%	1.000	0.1875	0.688	200	260	17,500	1.00	t=Pr/SE-0.6P	0.135
7.02	Nozzle A	18	12.5%	1.000	0.1875	0.688	200	260	17,500	1.00	t=Pr/SE-0.6P	0.135
7.03	Nozzle A	18	12.5%	1.000	0.1875	0.688	200	260	17,500	1.00	t=Pr/SE-0.6P	0.135
7.04	Nozzle A	18	12.5%	1.000	0.1875	0.688	200	260	17,500	1.00	t=Pr/SE-0.6P	0.135
8.01	Nozzle A	6	12.5%	0.875	0.1875	0.578	200	260	17,500	1.00	t=Pr/SE-0.6P	0.045
8.02	Nozzle A	6	12.5%	0.875	0.1875	0.578	200	260	17,500	1.00	t=Pr/SE-0.6P	0.045
8.03	Nozzle A	6	12.5%	0.875	0.1875	0.578	200	260	17,500	1.00	t=Pr/SE-0.6P	0.045
8.04	Nozzle A	6	12.5%	0.875	0.1875	0.578	200	260	17,500	1.00	t=Pr/SE-0.6P	0.045
9.01	Nozzle A	6	12.5%	0.875	0.1875	0.578	200	260	17,500	1.00	t=Pr/SE-0.6P	0.045
9.02	Nozzle A	6	12.5%	0.875	0.1875	0.578	200	260	17,500	1.00	t=Pr/SE-0.6P	0.045
9.03	Nozzle A	6	12.5%	0.875	0.1875	0.578	200	260	17,500	1.00	t=Pr/SE-0.6P	0.045
9.04	Nozzle A	6	12.5%	0.875	0.1875	0.578	200	260	17,500	1.00	t=Pr/SE-0.6P	0.045
10.01	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
10.02	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015



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"t-min" Variable and Summary Report

Client: DTS Client	Location: Somewhere USA	Design Temp.: <u>200</u> / <u>N/A</u> ° F	Year Built: 1984
Date of Inspection: <u>March 8, 2004</u>		Design Press.: <u>260</u> / <u>N/A</u> PSI	Year of Inspection: 2004
Desc.: <u>Production Separator</u>		Corr. Allow.: <u>0.1875</u> / <u>N/A</u> In.	Max Interval in Years: 5.0
Equip: <u>V-1</u>		Service: <u>Production-Gas/Liquid</u>	

TML #	Part Description	Diam.		First or Nominal Thickness	Corrosion Allowance	Structural Retire Thickness	Calc. Temp.	Calc. Pressure	Allowable Stress	Joint Eff.	Formula	Calc. Press. T-Min
		Size In.	Mill Tol.									
10.03	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
11.01	Nozzle A	4	12.5%	0.750	0.1875	0.469	200	260	17,500	1.00	t=Pr/SE-0.6P	0.030
11.02	Nozzle A	4	12.5%	0.750	0.1875	0.469	200	260	17,500	1.00	t=Pr/SE-0.6P	0.030
11.03	Nozzle A	4	12.5%	0.750	0.1875	0.469	200	260	17,500	1.00	t=Pr/SE-0.6P	0.030
11.04	Nozzle A	4	12.5%	0.750	0.1875	0.469	200	260	17,500	1.00	t=Pr/SE-0.6P	0.030
12.01	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
12.02	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
12.03	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
12.04	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
13.01	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
13.02	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
13.03	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
14.01	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
14.02	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
14.03	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
14.04	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
15.01	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
15.02	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
15.03	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
15.04	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
16.01	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
16.02	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
16.03	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
16.04	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
17.01	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
17.02	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
17.03	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
17.04	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
18.01	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
18.02	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
18.03	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
18.04	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
19.01	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
19.02	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
19.03	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
19.04	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
20.01	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
20.02	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015



Diversified Technology Services

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"t-min" Variable and Summary Report

Client: DTS Client	Location: Somewhere USA	Design Temp.: <u>200</u> / <u>N/A</u> ° F	Year Built: 1984
Date of Inspection: <u>March 8, 2004</u>		Design Press.: <u>260</u> / <u>N/A</u> PSI	Year of Inspection: 2004
Desc.: <u>Production Separator</u>		Corr. Allow.: <u>0.1875</u> / <u>N/A</u> In.	Max Interval in Years: 5.0
Equip: <u>V-1</u>		Service: <u>Production-Gas/Liquid</u>	

TML #	Part Description	Diam.		First or Nominal Thickness	Corrosion Allowance	Structural Retire Thickness	Calc. Temp.	Calc. Pressure	Allowable Stress	Joint Eff.	Formula	Calc. Press. T-Min
		Size In.	Mill Tol.									
20.03	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
21.01	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
21.02	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
21.03	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
21.04	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
22.01	Nozzle A	12	12.5%	1.188	0.1875	0.852	200	260	17,500	1.00	t=Pr/SE-0.6P	0.090
22.02	Nozzle A	12	12.5%	1.188	0.1875	0.852	200	260	17,500	1.00	t=Pr/SE-0.6P	0.090
22.03	Nozzle A	12	12.5%	1.188	0.1875	0.852	200	260	17,500	1.00	t=Pr/SE-0.6P	0.090
22.04	Nozzle A	12	12.5%	1.188	0.1875	0.852	200	260	17,500	1.00	t=Pr/SE-0.6P	0.090
23.01	Nozzle A	18	12.5%	1.000	0.1875	0.688	200	260	17,500	1.00	t=Pr/SE-0.6P	0.135
23.02	Nozzle A	18	12.5%	1.000	0.1875	0.688	200	260	17,500	1.00	t=Pr/SE-0.6P	0.135
23.03	Nozzle A	18	12.5%	1.000	0.1875	0.688	200	260	17,500	1.00	t=Pr/SE-0.6P	0.135
23.04	Nozzle A	18	12.5%	1.000	0.1875	0.688	200	260	17,500	1.00	t=Pr/SE-0.6P	0.135
24.01	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
24.02	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
24.03	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
24.04	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
25.01	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
25.02	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
25.03	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
25.04	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
26.01	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
26.02	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
26.03	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
27.01	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
27.02	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
27.03	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
27.04	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
28.01	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
28.02	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
28.03	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
28.04	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
29.01	Nozzle B	2	12.5%	0.436	0.1875	0.194	200	260	15,000	1.00	t=Pr/SE-0.6P	0.018
29.02	Nozzle B	2	12.5%	0.436	0.1875	0.194	200	260	15,000	1.00	t=Pr/SE-0.6P	0.018
29.03	Nozzle B	2	12.5%	0.436	0.1875	0.194	200	260	15,000	1.00	t=Pr/SE-0.6P	0.018
29.04	Nozzle B	2	12.5%	0.436	0.1875	0.194	200	260	15,000	1.00	t=Pr/SE-0.6P	0.018
30.01	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
30.02	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015



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"t-min" Variable and Summary Report

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Date of Inspection: March 8, 2004		Design Press.: <u>260</u> / <u>N/A</u> PSI	Year of Inspection: 2004
Desc.: Production Separator		Corr. Allow.: <u>0.1875</u> / <u>N/A</u> In.	Max Interval in Years: 5.0
Equip: V-1		Service: Production-Gas/Liquid	

TML #	Part Description	Diam. Size		First or Nominal Thickness	Corrosion Allowance	Structural Retire Thickness	Calc. Temp.	Calc. Pressure	Allowable Stress	Joint Eff.	Formula	Calc. Press. T-Min
		In.	Mill Tol.									
30.03	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
30.04	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
31.01	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
31.02	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
31.03	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
31.04	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
32.01	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
32.02	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
32.03	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
32.04	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
33.01	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
33.02	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
33.03	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
33.04	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
34.01	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
34.02	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
34.03	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
34.04	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
35.01	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
35.02	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
35.03	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
35.04	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
36.01	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
36.02	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
36.03	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
37.01	Nozzle A	6	12.5%	0.875	0.1875	0.578	200	260	17,500	1.00	t=Pr/SE-0.6P	0.045
37.02	Nozzle A	6	12.5%	0.875	0.1875	0.578	200	260	17,500	1.00	t=Pr/SE-0.6P	0.045
37.03	Nozzle A	6	12.5%	0.875	0.1875	0.578	200	260	17,500	1.00	t=Pr/SE-0.6P	0.045
37.04	Nozzle A	6	12.5%	0.875	0.1875	0.578	200	260	17,500	1.00	t=Pr/SE-0.6P	0.045
38.01	Nozzle A	6	12.5%	0.875	0.1875	0.578	200	260	17,500	1.00	t=Pr/SE-0.6P	0.045
38.02	Nozzle A	6	12.5%	0.875	0.1875	0.578	200	260	17,500	1.00	t=Pr/SE-0.6P	0.045
38.03	Nozzle A	6	12.5%	0.875	0.1875	0.578	200	260	17,500	1.00	t=Pr/SE-0.6P	0.045
38.04	Nozzle A	6	12.5%	0.875	0.1875	0.578	200	260	17,500	1.00	t=Pr/SE-0.6P	0.045
39.01	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
39.02	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
39.03	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
39.04	Nozzle A	2	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.015
40.01	Nozzle A	4	12.5%	0.750	0.1875	0.469	200	260	17,500	1.00	t=Pr/SE-0.6P	0.030



Diversified Technology Services

2045 Preisker Ln. Suite A, - Santa Maria, CA 93454 - (805) 928-6392

"t-min" Variable and Summary Report

Client: DTS Client	Location: Somewhere USA	Design Temp.: <u>200</u> / <u>N/A</u> ° F	Year Built: 1984
Date of Inspection: <u>March 8, 2004</u>		Design Press.: <u>260</u> / <u>N/A</u> PSI	Year of Inspection: 2004
Desc.: <u>Production Separator</u>		Corr. Allow.: <u>0.1875</u> / <u>N/A</u> In.	Max Interval in Years: 5.0
Equip: <u>V-1</u>		Service: <u>Production-Gas/Liquid</u>	

TML #	Part Description	Diam. Size		First or Nominal Thickness	Corrosion Allowance	Structural Retire Thickness	Calc. Temp.	Calc. Pressure	Allowable Stress	Joint Eff.	Formula	Calc. Press. T-Min
		In.	Mill Tol.									
40.02	Nozzle A	4	12.5%	0.750	0.1875	0.469	200	260	17,500	1.00	t=Pr/SE-0.6P	0.030
40.03	Nozzle A	4	12.5%	0.750	0.1875	0.469	200	260	17,500	1.00	t=Pr/SE-0.6P	0.030
40.04	Nozzle A	4	12.5%	0.750	0.1875	0.469	200	260	17,500	1.00	t=Pr/SE-0.6P	0.030
41.01	Nozzle A	6	12.5%	0.875	0.1875	0.578	200	260	17,500	1.00	t=Pr/SE-0.6P	0.045
41.02	Nozzle A	6	12.5%	0.875	0.1875	0.578	200	260	17,500	1.00	t=Pr/SE-0.6P	0.045
41.03	Nozzle A	6	12.5%	0.875	0.1875	0.578	200	260	17,500	1.00	t=Pr/SE-0.6P	0.045
41.04	Nozzle A	6	12.5%	0.875	0.1875	0.578	200	260	17,500	1.00	t=Pr/SE-0.6P	0.045
42.01	Nozzle A	6	12.5%	0.875	0.1875	0.578	200	260	17,500	1.00	t=Pr/SE-0.6P	0.045
42.02	Nozzle A	6	12.5%	0.875	0.1875	0.578	200	260	17,500	1.00	t=Pr/SE-0.6P	0.045
42.03	Nozzle A	6	12.5%	0.875	0.1875	0.578	200	260	17,500	1.00	t=Pr/SE-0.6P	0.045
42.04	Nozzle A	6	12.5%	0.875	0.1875	0.578	200	260	17,500	1.00	t=Pr/SE-0.6P	0.045
43.01	Nozzle B	3	12.5%	0.600	0.1875	0.338	200	260	15,000	1.00	t=Pr/SE-0.6P	0.026
43.02	Nozzle B	3	12.5%	0.600	0.1875	0.338	200	260	15,000	1.00	t=Pr/SE-0.6P	0.026
43.03	Nozzle B	3	12.5%	0.600	0.1875	0.338	200	260	15,000	1.00	t=Pr/SE-0.6P	0.026
43.04	Nozzle B	3	12.5%	0.600	0.1875	0.338	200	260	15,000	1.00	t=Pr/SE-0.6P	0.026
44.01	Nozzle B	3	12.5%	0.600	0.1875	0.338	200	260	15,000	1.00	t=Pr/SE-0.6P	0.026
44.02	Nozzle B	3	12.5%	0.600	0.1875	0.338	200	260	15,000	1.00	t=Pr/SE-0.6P	0.026
44.03	Nozzle B	3	12.5%	0.600	0.1875	0.338	200	260	15,000	1.00	t=Pr/SE-0.6P	0.026
44.04	Nozzle B	3	12.5%	0.600	0.1875	0.338	200	260	15,000	1.00	t=Pr/SE-0.6P	0.026
44.05	Nozzle B	3	12.5%	0.600	0.1875	0.338	200	260	15,000	1.00	t=Pr/SE-0.6P	0.026
44.06	Nozzle B	3	12.5%	0.600	0.1875	0.338	200	260	15,000	1.00	t=Pr/SE-0.6P	0.026
45.01	Nozzle B	2	12.5%	0.436	0.1875	0.194	200	260	15,000	1.00	t=Pr/SE-0.6P	0.018
45.02	Nozzle B	2	12.5%	0.436	0.1875	0.194	200	260	15,000	1.00	t=Pr/SE-0.6P	0.018
45.03	Nozzle B	2	12.5%	0.436	0.1875	0.194	200	260	15,000	1.00	t=Pr/SE-0.6P	0.018
45.04	Nozzle B	2	12.5%	0.436	0.1875	0.194	200	260	15,000	1.00	t=Pr/SE-0.6P	0.018
46.01	Nozzle B	2	12.5%	0.436	0.1875	0.194	200	260	15,000	1.00	t=Pr/SE-0.6P	0.018
46.02	Nozzle B	2	12.5%	0.436	0.1875	0.194	200	260	15,000	1.00	t=Pr/SE-0.6P	0.018
46.03	Nozzle B	2	12.5%	0.436	0.1875	0.194	200	260	15,000	1.00	t=Pr/SE-0.6P	0.018
46.04	Nozzle B	2	12.5%	0.436	0.1875	0.194	200	260	15,000	1.00	t=Pr/SE-0.6P	0.018
46.05	Nozzle B	2	12.5%	0.436	0.1875	0.194	200	260	15,000	1.00	t=Pr/SE-0.6P	0.018
46.06	Nozzle B	2	12.5%	0.436	0.1875	0.194	200	260	15,000	1.00	t=Pr/SE-0.6P	0.018
47.01	Nozzle B	2	12.5%	0.436	0.1875	0.194	200	260	15,000	1.00	t=Pr/SE-0.6P	0.018
47.02	Nozzle B	2	12.5%	0.436	0.1875	0.194	200	260	15,000	1.00	t=Pr/SE-0.6P	0.018
47.03	Nozzle B	2	12.5%	0.436	0.1875	0.194	200	260	15,000	1.00	t=Pr/SE-0.6P	0.018
47.04	Nozzle B	2	12.5%	0.436	0.1875	0.194	200	260	15,000	1.00	t=Pr/SE-0.6P	0.018
48.01	Nozzle B	2	12.5%	0.436	0.1875	0.194	200	260	15,000	1.00	t=Pr/SE-0.6P	0.018
48.02	Nozzle B	2	12.5%	0.436	0.1875	0.194	200	260	15,000	1.00	t=Pr/SE-0.6P	0.018
48.03	Nozzle B	2	12.5%	0.436	0.1875	0.194	200	260	15,000	1.00	t=Pr/SE-0.6P	0.018



Diversified Technology Services

2045 Preisker Ln. Suite A, - Santa Maria, CA 93454 - (805) 928-6392

"t-min" Variable and Summary Report

Client: DTS Client	Location: Somewhere USA	Design Temp.: <u>200</u> / <u>N/A</u> ° F	Year Built: 1984
Date of Inspection: March 8, 2004		Design Press.: <u>260</u> / <u>N/A</u> PSI	Year of Inspection: 2004
Desc.: Production Separator		Corr. Allow.: <u>0.1875</u> / <u>N/A</u> In.	Max Interval in Years: 5.0
Equip: V-1		Service: Production-Gas/Liquid	

TML #	Part Description	Diam.		First or Nominal Thickness	Corrosion Allowance	Structural		Calc. Temp.	Calc. Pressure	Allowable Stress	Joint Eff.	Formula	Calc. Press. T-Min
		Size In.	Mill Tol.			Retire Thickness	Calc. Thickness						
48.04	Nozzle B	2	12.5%	0.436	0.1875	0.194	200	260	15,000	1.00	t=Pr/SE-0.6P	0.018	
48.05	Nozzle B	2	12.5%	0.436	0.1875	0.194	200	260	15,000	1.00	t=Pr/SE-0.6P	0.018	
48.06	Nozzle B	2	12.5%	0.436	0.1875	0.194	200	260	15,000	1.00	t=Pr/SE-0.6P	0.018	
49.01	Nozzle B	3	12.5%	0.600	0.1875	0.338	200	260	15,000	1.00	t=Pr/SE-0.6P	0.026	
49.02	Nozzle B	3	12.5%	0.600	0.1875	0.338	200	260	15,000	1.00	t=Pr/SE-0.6P	0.026	
49.03	Nozzle B	3	12.5%	0.600	0.1875	0.338	200	260	15,000	1.00	t=Pr/SE-0.6P	0.026	
49.04	Nozzle B	3	12.5%	0.600	0.1875	0.338	200	260	15,000	1.00	t=Pr/SE-0.6P	0.026	
50.01	Nozzle B	3	12.5%	0.600	0.1875	0.338	200	260	15,000	1.00	t=Pr/SE-0.6P	0.026	
50.02	Nozzle B	3	12.5%	0.600	0.1875	0.338	200	260	15,000	1.00	t=Pr/SE-0.6P	0.026	
50.03	Nozzle B	3	12.5%	0.600	0.1875	0.338	200	260	15,000	1.00	t=Pr/SE-0.6P	0.026	
50.04	Nozzle B	3	12.5%	0.600	0.1875	0.338	200	260	15,000	1.00	t=Pr/SE-0.6P	0.026	
50.05	Nozzle B	3	12.5%	0.600	0.1875	0.338	200	260	15,000	1.00	t=Pr/SE-0.6P	0.026	
50.06	Nozzle B	3	12.5%	0.600	0.1875	0.338	200	260	15,000	1.00	t=Pr/SE-0.6P	0.026	
51.01	Nozzle A	1.5	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.011	
51.02	Nozzle A	1.5	12.5%	0.531	0.1875	0.277	200	260	17,500	1.00	t=Pr/SE-0.6P	0.011	
52.01	Nozzle A	18	12.5%	1.000	0.1875	0.688	200	260	17,500	1.00	t=Pr/SE-0.6P	0.135	
52.02	Nozzle A	18	12.5%	1.000	0.1875	0.688	200	260	17,500	1.00	t=Pr/SE-0.6P	0.135	
52.03	Nozzle A	18	12.5%	1.000	0.1875	0.688	200	260	17,500	1.00	t=Pr/SE-0.6P	0.135	
52.04	Nozzle A	18	12.5%	1.000	0.1875	0.688	200	260	17,500	1.00	t=Pr/SE-0.6P	0.135	