

CA0619-UT1-619

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Procedure: 4.2 Rev 2 Technique: UT Thickness Measurement-Contact Method Code: Client Information Other: -	Client: Secure Energy Inc. Date: 06-M IRISNDT #: CGE1700097 Other: - Location: 02-31-052-23W4M Chamberlain AFE #: OPE Item Inspected: A0451115 Treater										
Material: Carbon Steel Surface C	Condition: Other ground	led Heat Treatment:	Not Applicable								
Equipment: DMS II IRISNDT #: 31101 Calibration Date: 20-Jan-18											
Calibration Block: ASME Other ⊠C/S S/N# 3	3313 Probe(s) : S/N	025H97									
Sweep range Cal: IIW Other N/A S/N# N	I/A Angle	0									
Cable Type:DualLength3	Frequency (MHz)	5									
Scanning Surface: OD ID Other	Crystal Size	0.625"									
Dis. AMPL. Calibration:Not ApplicableCouplant:Echogel 20Batch #:1337											
Transfer Loss Calibration: Direct Comparison: ☐ Other: ☐		TL:	0 db								
Reference Flaw Size: Back wall Primary Referen	ce Level: 80%	Reference Gain:	60 db								
Lamination Shear Wave Volumetric Thicknes	s 🛚	Scan Methods: Co	ontact ⊠ Other □								
Surface Temp (c) : \square < 5°C / 41°F \boxtimes > 5°C	C / 41°F & < 60°C / 140°F	□ > 60°	°C / 140°F								
Inspection Scope: As per client's request and direction, performed ultrasonic thickness inspection on A0451115 Treater on assigned CMLs (condition monitoring locations). Ultrasonic thickness inspection is performed to assess the internal integrity and to determine wall thickness for the continued service of the equipment. The minimum, maximum and average thickness values are recorded for each CML. History: No previous history. Method: A 2" wide band was placed on available nozzles as well as elbows and a 2" x 12" band was placed on the shell and heads of the vessel where UT thickness values were collected. Results: Please see attached pages for UT thickness values and UT locations on the vessel. 3 yr interval, request a U1A from ABSA to confirm nominal thickness.											
Unit#: 751 Kilometers: Consumables:	Interpre	tation by:									
In: Out: Hrs:	Haben N	Mebrahtu /	SNT-TC-1A:I								
In: Out: Hrs: Personnel: HM / MD	(Signati Client R I am in f agreem report o	epresentative: (Print) ull ent with	C.G.S.B.:: (Level) (SON								

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Equipment Tag #: A0451115 Treater										
LOCATION#	NOMINAL (inches)	Minimum Thickness Values	Maximum Thickness Values	Average Thickness Values	*T-MIN	WALL LOSS (Min - Nom)	COMMENTS	Location Desc.	Coating/paint Condition	
05	No Access	No Access	No Access	No Access		No Access	No Access	No Access	No Access	
10	NA	0.464	0.483	0.476		0.000	External Condition: Painted surface, No corrosion or pitting found. Internal Condition: No erosion, corrosion or pitting found.	Vertical East Bottom Head T-B	Intact, no corrosion	
15	NA	0.388	0.390	0.389		0.000	External Condition: Painted surface, No corrosion or pitting found. Internal Condition: No erosion, corrosion or pitting found.	Horizontal Bottom Shell East Side E-W	Intact, no corrosion	
20	NA	0.388	0.401	0.390		0.000	External Condition: Painted surface, No corrosion or pitting found. Internal Condition: No erosion, corrosion or pitting found.	Horizontal Bottom Shell East Side E-W	Intact, no corrosion	
25	NA	0.388	0.392	0.389		0.000	External Condition: Painted surface, No corrosion or pitting found. Internal Condition: No erosion, corrosion or pitting found.	Horizontal Middle Bottom Shell E-W	Intact, no corrosion	
30	NA	0.392	0.395	0.394		0.000	External Condition: Painted surface, No corrosion or pitting found. Internal Condition: No erosion, corrosion or pitting found.	Horizontal Bottom Shell West Side E-W	Intact, no corrosion	
35	NA	0.387	0.400	0.396		0.000	External Condition: Painted surface, No corrosion or pitting found. Internal Condition:No erosion, corrosion or pitting found.	Horizontal Bottom Shell West Side E-W	Intact, no corrosion	
40	NA	1.057	1.092	1.077		0.000	External Condition: Painted surface, No corrosion or pitting found. Internal Condition: Manufactured wall loss and/or erosion, with No corrosion or pitting noted.	Vertical West Bottom Head T-B	Intact, no corrosion	
45	0.237	0.210	0.229	0.218		0.027	External Condition: Painted surface, No corrosion or pitting found. Internal Condition: Manufactured wall loss and/or erosion, with No corrosion or pitting noted.	4" Outlet Elbow T-B	No corrosion, Some errosion	
50	0.237	0.219	0.232	0.225		0.018	External Condition: Painted surface, No corrosion or pitting found. Internal Condition: Manufactured wall loss and/or erosion, with No corrosion or pitting noted.	4" Outlet Elbow T-B	Intact, no corrosion	
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	Loss of 10% - 20% AREAS OF CONCERN						Loss of 21% or Greater		- !	
*T-min (thickness minimum) was not provided prior to inspection. PAGE 3 OF 3										

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