

STATIC EQUIPMENT INSPECTION REPORT - Exhibit # 300 **COMPANY:** Signalta Resources SIGMA JOB #: SIG-05-13 District: Forestburg Facility: Forestburg Gas Plant Lsd 13-14-042-16W4 Skid: Item Insp.: Inlet Separator **VESSEL DATA** Serial #: ABSA#: 210811 CRN #: E-9955.2 Equip#: 84122-A Para: U Manuf: Propak Systems Code/Div.: Code Stamp: Actual Est. Insulated: Yr. Built: 1984 Size: No Sweet PWHT: Service: R.T.: Repairs: **Nominal Thickness & Material** C.A. Head: Material: Reasons: Head: IN SERVICE Shell: Status: **OUT OF SERVICE** Shell: YES NO Manway: 🗹 Channel HD: Channel SH: **Reason for Inspection** PLANNED - IN SERVICE Boot HD: PROBLEM INVESTIGATION Boot SH: Psi kPa √ F C PROCESS CHANGE 700 MAWP Shell: 150 Temp: Psi COMMISSIONING MAWP Tube: Temp: Comments **PSV INFORMATION** PSV Pulled for service S = SHELL SIDE Location: Т Manufacturer: T = TUBE SIDE P = PIPING Serial #: PSV #: CRN: Inlet Isolation valves sealed open: ✓ YES NO Model: Outlet Isolation valves sealed open: Set Press: ✓ YES YES Capacity: Status: Inlet Size (mm): Outlet Size (mm): Conn Type (F/T): Serviced By: Chief Inspector Last Service Date: Inspection Requested By: Lorne Albers Inspection Date: May 1 2013 Inspection Performed By: Tyler Fitzpatrick Certification # 000557 Terry McConnell Chief Inspector: Certification #: 000049

EXTERNAL VISUAL INSPECTION

	ABSA#:	210811 SIGMA JOB #	: SIG-05-13
Remedial Action	Access & Coverage	Other	Shell
 ✓ No Action Required □ Paint Repairs □ Repair Weld - S.R. □ Repair Weld - No S.R. □ Grind Out □ See Comments 	 Poor Cleaning Partial Int. Inspection External Inspection NDE Inspection M UT R↑ BH P↑ Other 	Ladders/Handrail/ Walkway Damage Nameplate Secure	Good Condition External Corr. Pitted - Light Pitted - Severe Scaled - Light Scaled - Heavy Blistered N/A Insulated
<u>Nozzles</u>	External Protection	<u>Welds</u>	<u>Supports</u>
Good Condition Cracked Scaled Plugged Poor Welding Leaking Seal Face Corrosion Bolts Missing/Loose/ Damage Partial Int. Inspection	Good Condition Fireproofing Cracked Insulation Damaged Paint Deteriorated Corrosion Under Insulation (CUI) Asbestos YES V NO Insulated YES NO	Good Condition Corroded Cracked Broken Poor Quality	Good Condition Distorted Cracked Broken Poor Installation Bolts Missing/ Loose/Damaged Support Ring Damaged N/A
Heads ☐ TOP ✓ NORTH ☐ WEST	Heads ☐ BTM ✓ SOUTH ☐ EAST	Pressure Gauge Glass Intact YES	Vessel Repad ✓ N/A ☐ Vent Holes
Good Condition External Corrosion Pitted - Light Pitted - Severe Scaled - Light Scaled - Heavy Blistered	Good Condition External Corrosion Pitted - Light Pitted - Severe Scaled - Light Scaled - Heavy Blistered	NO Within Operating Limits YES NO Obvious Leaks YES NO NO	1
PIPING - PSV	PIPING - INLET	PIPING - OUTLET/DRAIN	
 ✓ Good Condition □ External Corrosion □ Pitted ✓ Supported ✓ Welded □ Threaded Fittings □ Deadlegs 	✓ Good Condition External Corrosion Pitted ✓ Supported ✓ Welded Threaded Fittings Deadlegs	 ✓ Good Condition □ External Corrosion □ Pitted ✓ Supported ✓ Welded □ Threaded Fittings □ Deadlegs 	

EXTERNAL VISUAL INSPECTION ABSA #: 210811 SIGMA JOB#: SIG-05-13 **OBSERVATIONS: ✓ Vessel is in Good Condition V** API 510 External Inspection confirmed the equipment is fit for continued service ■ NOT FIT FOR SERVICE, DETAILS BELOW Vessel External in good shape Vessel is welded to the floor and is well supported **RECOMMENDATIONS**

INTERNAL VISUAL INSPECTION

	ABSA#:	210811 SIGMA JOB#	: SIG-05-13
□ Internal Bretsetter			
☐ Internal Protection ☐ COATING ☐ LINING	Anodes	Heating Coil	Channel Head
Good Condition Blistered - Light Blistered - Severe Disbonded Chipped Holidays Mechanical Damage Missing	 ✓ N/A ☐ Good Condition ☐ Dirty ☐ Consumed% ☐ New/Replaced ☐ Missing ☐ Bonding Cable Attached 	 ✓ N/A ☐ Good Condition ☐ Corrosionn ☐ Cracked ☐ Scaled ☐ Worn ☐ Loose ☐ Poor Installation 	✓ N/A ☐ Good Condition ☐ General ☐ Pitted - Light ☐ Pitted - Severe ☐ Erosion ☐ Scaled ☐ Coated
Demister Screen	<u>Refractory</u>	<u>Manway</u>	<u>TubeSheet</u>
 N/A ✓ Good Condition □ Dislodged □ Broken □ Missing □ Tie-Downs Missing 	 ✓ N/A ☐ Good Condition ☐ Cracked (minor) ☐ Spalled ☐ Missing ☐ Damaged ☐ Badly Cracked 	Good Condition Coating Damage Internal Corrosion Mechanical Damage Seal Face Corrosion Bolts Missing/Loose/ Damaged	 ✓ N/A ☐ Good Condition ☐ Pitted - Light ☐ Pitted - Severe ☐ Erosion ☐ Damaged
<u>Firetubes</u>	Tube Bundle	<u>Tubes</u>	<u>Trays</u>
 ✓ N/A ☐ Good Condition ☐ Cracked ☐ Corrosion ☐ Scaled ☐ Heat Impinged ☐ Coated ☐ Wear ☐ Burner Misalignment 	 N/A Good Condition General Corrosion Pitted - Light Pitted - Severe Scaled Plugged Damaged Wear Erosion 	✓ N/A Good Condition External Corrosion Internal Corrosion Thinning Bulged Heat Impinged Distorted Erosion Leaking	✓ N/A Good Collapsed Distorted Loose Missing Wear Corrosion Poor Valve Caps Missing
Floor	<u>Drum</u> ☐ MUD ☐ STEAM	Shell TOP BOTTOM	Vessel Internals
 N/A External Corrosion Internal Corrosion Pitted - Light Pitted - Severe Edge Settlement Weld Cracking Sludge ✓ Previous Repairs 	N/A Good Condition Damaged Internals Internal Corrosion Cracking Scaling	☐ Good Condition ☐ Internal Corr. ☐ Pitted - Light ☐ Pitted - Severe ☐ Scaled - Light ☐ Scaled - Heavy ☐ Blistered	 Weir/Baffle/ Divider Damage Downcomer Corrosion Spray Nozzles Damaged/Missing ✓ See Comments ✓ Adequately Clean

INTERNAL VISUAL INSPECTION ABSA #: 210811 **SIGMA JOB#**: SIG 05-13 **OBSERVATIONS: Vessel is in Good Condition** API 510 External Inspection confirmed the equipment is fit for continued service ■ NOT FIT FOR SERVICE, DETAILS BELOW - Vessel had previous coating repair. The previous repair is bubbled and flaking off. There are to many holidays to be repaired by a patch kit. - There is no metel loss where there is bare steel **RECOMMENDATIONS** - Moniter exposed steel and watch for active corrosion. If corrosion becomes a issue , sand bottom half of vessel and recoat

PICTURES:

Overview





Coating Damage





Coating Holidays



Demister Pad







