

STATIC EQUIPMENT INSPECTION REPORT - Exhibit # 300

COMPANY: Trident Exploration **SIGMA JOB #:** _____

District: Big Valley Facility: Compressor Lsd 05-26-035-21W4M Skid: _____

Item Insp.: Inlet Separator

VESSEL DATA

Equip#: _____ Serial #: 2129 ABSA#: 516700 CRN #: R9653.2
 Manuf: Pyramid Corp. Code/Div.: _____ Para: _____ Code Stamp: _____
 Yr. Built: _____ Size: 60" Dia Actual Est. Insulated: _____
 Service: Sweet PWHT: _____ R.T.: _____ Repairs: _____

Nominal Thickness & Material

Head: <u>0.5625"</u> Material: <u>SA-516-70</u> C.A. _____	Reasons: _____
Head: _____	
Shell: <u>0.500"</u> <u>SA-516-70</u> <u>0.0625"</u>	Status: <input checked="" type="checkbox"/> IN SERVICE
Shell: _____	<input type="checkbox"/> OUT OF SERVICE
Channel HD: _____	Manway: <input type="checkbox"/> YES <input type="checkbox"/> NO
Channel SH: _____	Reason for Inspection
Boot HD: _____	<input checked="" type="checkbox"/> PLANNED - IN SERVICE
Boot SH: _____	<input type="checkbox"/> PROBLEM INVESTIGATION
MAWP Shell: <u>285</u> <input checked="" type="checkbox"/> Psi <input type="checkbox"/> kPa Temp: <u>100</u> <input checked="" type="checkbox"/> F <input type="checkbox"/> C	<input type="checkbox"/> PROCESS CHANGE
MAWP Tube: _____ <input type="checkbox"/> Psi <input type="checkbox"/> kPa Temp: _____ <input type="checkbox"/> F <input type="checkbox"/> C	<input type="checkbox"/> COMMISSIONING

Comments PSV was pulled for service.

PSV INFORMATION

Location: _____ <input type="checkbox"/> S _____ <input type="checkbox"/> S	S = SHELL SIDE
Manufacturer: _____ <input type="checkbox"/> T _____ <input type="checkbox"/> T	T = TUBE SIDE
Serial #: _____ <input type="checkbox"/> P _____ <input type="checkbox"/> P	P = PIPING
PSV #: _____	
CRN: _____	Inlet Isolation valves sealed open:
Model: _____	<input type="checkbox"/> YES <input type="checkbox"/> NO
Set Press: _____	Outlet Isolation valves sealed open:
Capacity: _____	<input type="checkbox"/> YES <input type="checkbox"/> NO
Status: _____	
Inlet Size (mm): _____	
Outlet Size (mm): _____	
Conn Type (F/T): _____	
Serviced By: _____	
Last Service Date: _____	



Inspection Requested By: <u>Clint Priaski</u>	Inspection Date: <u>19-May-10</u>
Inspection Performed By: <u>Mark Copithorne</u>	Certification #: <u>000159</u>
Chief Inspector: <u>Terry McConnell</u>	Certification #: <u>000049</u>

EXTERNAL VISUAL INSPECTION

ABSA#: 516700 SIGMA JOB #: #REF!

Remedial Action

- No Action Required
- Paint Repairs
- Repair Weld - S.R.
- Repair Weld - No S.R.
- Grind Out
- See Comments

Access & Coverage

- Poor Cleaning
- Partial Int. Inspection
- External Inspection
- NDE Inspection
 - MT UT
 - RT BH
 - PT Other _____

Other

- See Comments
- Ground Cable Y N
- Ladders/Handrail/Walkway Damage
- Nameplate Secure N
- Nameplate Legible N
- See Attached Pictures

Shell TOP BOTTOM

- Good Condition
- External Corr.
- Pitted - Light
- Pitted - Severe
- Scaled - Light
- Scaled - Heavy
- Blistered
- N/A Insulated

Nozzles

- Good Condition
- Cracked
- Scaled
- Plugged
- Poor Welding
- Leaking
- Seal Face Corrosion
- Bolts Missing/Loose/Damage
- Partial Int. Inspection

External Protection

- Good Condition
- Fireproofing Cracked
- Insulation Damaged
- Paint Deteriorated
- Corrosion Under Insulation (CUI)
- Asbestos YES NO
- Insulated YES NO

Welds

- Good Condition
- Corroded
- Cracked
- Broken
- Poor Quality

Supports

- Good Condition
- Distorted
- Cracked
- Broken
- Poor Installation
- Bolts Missing/Loose/Damaged
- Support Ring Damaged
- N/A

Heads TOP NORTH WEST

- Good Condition
- External Corrosion
- Pitted - Light
- Pitted - Severe
- Scaled - Light
- Scaled - Heavy
- Blistered

Heads BTM SOUTH EAST

- Good Condition
- External Corrosion
- Pitted - Light
- Pitted - Severe
- Scaled - Light
- Scaled - Heavy
- Blistered

Pressure Gauge

- Glass Intact
 - YES
 - NO
- Within Operating Limits
 - YES
 - NO
- Obvious Leaks
 - YES
 - NO

Vessel Repad

- N/A
- Vent Holes
 - 1
 - 2
- Plugged
 - YES
 - NO

PIPING - PSV

- Good Condition
- External Corrosion
- Pitted
- Supported
- Welded
- Threaded Fittings
- Deadlegs

PIPING - INLET

- Good Condition
- External Corrosion
- Pitted
- Supported
- Welded
- Threaded Fittings
- Deadlegs

PIPING - OUTLET/DRAIN

- Good Condition
- External Corrosion
- Pitted
- Supported
- Welded
- Threaded Fittings
- Deadlegs

EXTERNAL VISUAL INSPECTION

ABSA #: 516700 SIGMA JOB#: _____

OBSERVATIONS:

- Vessel is in Good Condition
- API 510 External Inspection confirmed the equipment is fit for continued service
- NOT FIT FOR SERVICE, DETAILS BELOW

No deformation, no distortion, no pitting, and no general metal loss was noted.

RECOMMENDATIONS

INTERNAL VISUAL INSPECTION

ABSA#: 516700 SIGMA JOB#: _____

Internal Protection

- COATING
- LINING

- Good Condition
- Blistered - Light
- Blistered - Severe
- Disbonded
- Chipped
- Holidays
- Mechanical Damage
- Missing

Anodes

- N/A
- Good Condition
- Dirty
- Consumed 40 %
- New/Replaced
- Missing
- Bonding Cable Attached

Heating Coil

- N/A
- Good Condition
- Corrosion
- Cracked
- Scaled
- Worn
- Loose
- Poor Installation

Channel Head

- N/A
- Good Condition
- General
- Pitted - Light
- Pitted - Severe
- Erosion
- Scaled
- Coated

Demister Screen

- N/A
- Good Condition
- Dislodged
- Broken
- Missing
- Tie-Downs Missing

Refractory

- N/A
- Good Condition
- Cracked (minor)
- Spalled
- Missing
- Damaged
- Badly Cracked

Manway

- Good Condition
- Coating Damage
- Internal Corrosion
- Mechanical Damage
- Seal Face Corrosion
- Bolts Missing/Loose/Damaged

TubeSheet

- N/A
- Good Condition
- Pitted - Light
- Pitted - Severe
- Erosion
- Damaged

Firetubes

- N/A
- Good Condition
- Cracked
- Corrosion
- Scaled
- Heat Impinged
- Coated
- Wear
- Burner Misalignment

Tube Bundle

- N/A
- Good Condition
- General Corrosion
- Pitted - Light
- Pitted - Severe
- Scaled
- Plugged
- Damaged
- Wear
- Erosion

Tubes

- N/A
- Good Condition
- External Corrosion
- Internal Corrosion
- Thinning
- Bulged
- Heat Impinged
- Distorted
- Erosion
- Leaking

Trays

- N/A
- Good
- Collapsed
- Distorted
- Loose
- Missing
- Wear
- Corrosion
- Poor
- Valve Caps Missing

Floor

- N/A
- External Corrosion
- Internal Corrosion
- Pitted - Light
- Pitted - Severe
- Edge Settlement
- Weld Cracking
- Sludge
- Previous Repairs

Drum MUD STEAM

- N/A
- Good Condition
- Damaged Internals
- Internal Corrosion
- Cracking
- Scaling

Shell TOP BOTTOM

- Good Condition
- Internal Corr.
- Pitted - Light
- Pitted - Severe
- Scaled - Light
- Scaled - Heavy
- Blistered

Vessel Internals

- Weir/Baffle/Divider Damage
- Downcomer Corrosion
- Spray Nozzles Damaged/Missing
- See Comments
- Adequately Clean

INTERNAL VISUAL INSPECTION

ABSA #: 516700 SIGMA JOB#: _____

OBSERVATIONS:

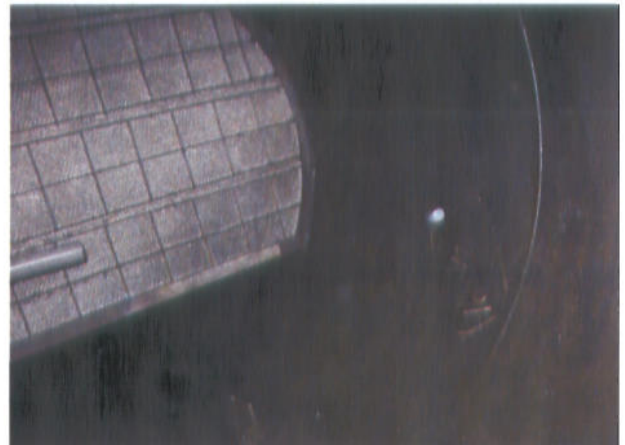
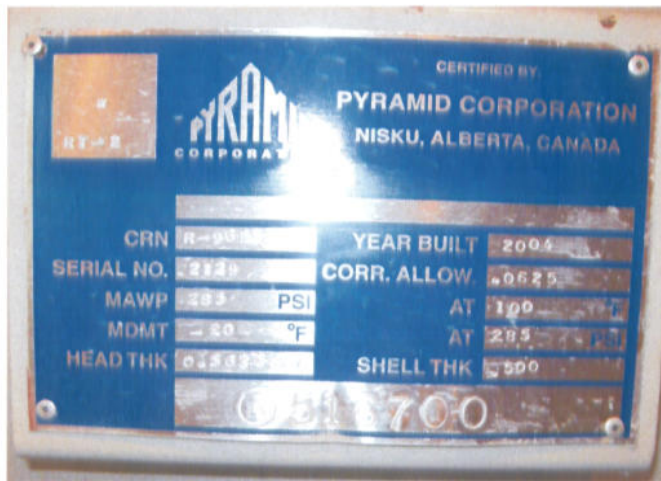
- Vessel is in Good Condition
- API 510 External Inspection confirmed the equipment is fit for continued service
- NOT FIT FOR SERVICE, DETAILS BELOW

-Interior of vessel is in "as new condition"
-There is no internal coating. Fabrication markup is evident.
-No deformation, no distortion, no pitting, and no general metal loss was noted.
-The demister is clean, flexible in position, and secure.
-The Vortex breakers are secure.
-The diverter is secure.
-A 6" pig was removed from the North 4" drain. All other nozzles are open.

RECOMMENDATIONS

Empty box for recommendations.

PICTURES:



PICTURES:

