



PRESSURE VESSEL DATA:

COMPANY: BP CANADA ENERGY COMPANY LOCATION BP CHINCHAGA GAS PLANT

FACILITY: _____ LSD: 01-24-096-05W6M

VESSEL NAME: CONDENSATE STABILIZER

FACILITY VESSEL IDENTIFICATION: _____ MAINTENANCE NO. (Maximo): _____

IS VESSEL ASSOCIATED WITH A COMPRESSOR? Yes No

ORIENTATION: _____ Horizontal Vertical Sphere

SEPARATOR TYPE (if applicable): 2 Phase 3 Phase N/A

STATUS: In Service

DIRECT FIRED VESSEL: Yes No MANWAY: _____

THERMAL INSULATION: _____ Internal Access Through: _____

NAME PLATE:

JURISDICTION NUMBER : A0188560 CRN NUMBER: E3905.2

BP TAG NUMBER: T-4 N. BOARD NUMBER: _____

VESSEL SERIAL NUMBER: P369 CAPACITY (Volume): _____ NS

DRAWING NUMBER: _____ NS CHANNEL MATERIAL: _____ in. NS N/A

CHANNEL THICKNESS: _____ in. NS N/A HEAT TREATMENT: _____

CODE PARAMETERS: U, UW, UM NS JOINT EFFICIENCY (J.E.): _____ NS

MANUFACTURER: PRESSON MANUFACTURING LTD. YEAR BUILT: 1982

INSULATION / COATING

DESCRIPTION	INTERNAL COATING			EXTERNAL COATING			INSULATION			
	COATED?	THK	TYPE	DATE	COATED?	THK	TYPE	DATE	INSULATED?	DENSITY
	N				N				N	

SHELL STATIC

SHELL	MATERIAL	H.T.	NOMINAL	DIAMETER	LENGTH	C.A.	RT LEVEL
SHELL SIDE 1	SA-51670	Y / N	0.375 in.	30 in.	in / mm	0.0620 in.	SPOT

HEAD STATIC

HEAD	MATERIAL	H.T.	NOMINAL	DIAMETER	C.A.	RT LEVEL
SHELL SIDE 1	SA-51670	Y / N	0.375 in.	30 in.	0.0620 in.	SPOT

DESIGN / OPERATING

DESIGN DESCRIPTION	DESIGN PRESS.	DESIGN TEMP.	OPERATING PRESS.	OPERATING TEMP.	SERVICE
SHELL SIDE 1	200 PSI	379 °F	40 PSI	68 °F	



PSV NAME PLATE DATA:

	PSV. 1	PSV. 2	PSV. 3	PSV. 4
Tag Number:				
Serial Number:	C-22173-A10			
Inlet Size - (Rating/Type):	4.0 in RF			
Outlet Size - (Rating/Type):	6.0 in RF			
Capacity (SCFM) Or	17800 SCFM			
Model Number:	26NA10-120			
Manufacturer:	FARRIS			
Set Pressure:	200 PSI			
Set Date:				
Location:				
CRN:				
Service Interval:				
Service Company:				

POTENTIAL DAMAGE TYPE AND LOCATION:

Fabrication Defects: Thinning (includes general, localized and pitting): Shell, heads and nozzles. Blistering: Possible at the liquid/gas interface. High Stress Areas: Subject to cracking, water composition around nozzles, tee joints, attachment and closing welds. Demister Pad: Possible plugging and deterioration. Cracking, Subsurface cracking, Dimensional changes (blistering).

POTENTIAL DAMAGE MECHANISMS:

Fabrication Defects: Nothing Unusual Expected
Corrosion: CO2, Produced Water, Microbiological, CUI, Crevice/under deposit, Biological, Chlorides, Suspended Solids, Solvent, Low pH, Velocity.
Hydrogen Effects: None Anticipated
Mechanical Effects: Erosion (thinning), Cavitation (thinning),
Metallurgical & environmental Effects: None Anticipated

PREVIOUS INSPECTION REPORTS:

INSPECTION METHODS:

UT: Pre-turnaround survey of all TML's identified on the UT drawings. Also thickness readings in areas of corrosion. MPI (WFMPI): As required. VISUAL: Total tower and associated piping. DIMENSIONAL MEASUREMENTS: If blistering, buckling or deformation found. Perform a video inspection on the lower head, shell area and as required on the tray assembly. Perform INTERNAL: with video probe. UT, SWUT, MPI, Visual, Dimensional (include percentage)



INSPECTION NOTES:

2005:
INTERNAL:
THE INTERNAL SURFACE WAS NOT EVALUATED DURING THE VISUAL INSPECTION.
PSV:
THE SEALS ON THE PSV ARE INTACT.
THE DISCHARGE PIPING IS PROPERLY VENTED TO THE FLARE.

EXTERNAL:
SHELL CONDITION:
THE VESSEL AND PIPING ARE CLADDED AND INSULATED.
INSTRUMENTATION:
THE ASSOCIATED INSTRUMENTATION IS IN GOOD WORKING ORDER.
INSULATION CONDITION:
THE VESSEL AND PIPE CLADDING AND INSULATION ARE IN GOOD CONDITION. THE CLADDING IS SEALED FROM THE WEATHER.
TOP FLANGE EXPOSED TO THE WEATHER.
NOZZLE CONDITION:
THE NOZZLES ARE IN GOOD MECHANICAL CONDITION WITH NO MEASURABLE CORROSION ON THE EXTERNAL SURFACES.
FLANGE CONDITION:
THE FLANGES AND NPT CONNECTIONS ARE IN GOOD MECHANICAL CONDITION WITH NO EVIDENCE OF MEASURABLE CORROSION.
ALL ASSOCIATED FLANGE AND BOLTING ARE INTACT AND SHOW NO EVIDENCE OF MECHANICAL DAMAGE, DETERIORATION, VISIBLE CRACKING, PROCESS LEAKS OR MEASURABLE CORROSION.
FLANGE RATING: 150#.
PIPING CONDITION:
THE PIPING IS THREADED AND BOLTED.
THE PIPING IS IN GOOD MECHANICAL CONDITION WITH NO MEASURABLE CORROSION.
THE PIPING COATING HAS SOME MINOR PEELING, OILY, AND DIRTY.
THE ASSOCIATED PRESSURE WELDS ARE INTACT AND SHOW NO SIGNS OF DETERIORATION OR VISIBLE CRACKING.
THE PIPING IS INSULATED AND PROTECTED WITH METAL CLADDING. THE CLADDING IS IN GOOD CONDITION AND IS SEALED FROM THE WEATHER.
PIPE SUPPORT CONDITION:
THE ASSOCIATED PIPE SUPPORTS ARE IN GOOD MECHANICAL CONDITION WITH NO EVIDENCE OF ANY MECHANICAL DAMAGE OR DEGRADATION.
THE ASSOCIATED PIPE SUPPORT CLAMPS ARE TIGHT AND INTACT.
BOLTED PIPE FLANGE CONNECTIONS:
THE ASSOCIATED PIPING FLANGE BOLTING AND GASKETS ARE IN PLACE AND TIGHT.
ALL ASSOCIATED FLANGE BOLTS ARE INTACT AND SHOW NO EVIDENCE OF DETERIORATION, VISIBLE CRACKING OR PROCESS LEAKS.
THE BOLTS ARE THE CORRECT LENGTHS.
THREADED PIPE CONNECTIONS:
THE ASSOCIATED THREADED PIPING IS IN PLACE AND TIGHT.
SEVERAL LEAKS NOTED ON THE SMALL BORE PIPING. VALVES AND SIGHT GLASS CONNECTIONS ARE LEAKING.
FOUNDATION CONDITION:
THE VESSEL SKIRT IS ANCHORED TO THE CEMENT.
THE GROUND WIRE IS VISIBLY ATTACHED TO THE VESSEL.
THERE IS SKIRT ACCESS.

RECOMMENDED INSPECTION INTERVALS:

Next UT Creep Wave:	_____	Years:	_____
Next UT Corrosion Survey:	_____	Years:	_____
Next Internal Inspection:		Years:	
Next External Inspection:	03/30/2010	Years:	5 YEARS
Next PSV Service:	PSV ID:	Bench Test Due:	
	SN C-22173-A10		04/25/2011