

PRESSURE VESSEL DATA:

COMPANY:	BP C	ANADA	ENERG	Y COMPANY	LOC	ATION	BP CHINCHAGA GA	S PLANT
FACILITY:							LSD:	01-24-096-05W6M
VESSEL NAME	: _	DESICO	CANT TOW	/ER B (NIS)				
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 Ser	vice						
DIRECT FIRED	VESSE	L: _	Yes	No			MANWAY:	
THERMAL INSULATION:				Internal Acces	s Through:			

NAME PLATE:

JURISDICTION NUMBER :	: .	A0146858			CRN NUMBER:	D3193.2		
BP TAG NUMBER:		V-301B			N. BOARD NUMBER:			
VESSEL SERIAL NUMBER:		79-087-05B			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: K	ML CUS	TOM FABRICATORS			YEAR BUILT:	1979		

INSULATION / COATING

		INTER	NAL COATING			EX	TERNAL COATING		INSUL	ATION
DESCRIPTION	COATED?	тнк	TYPE	DATE	COATED?	тнк	TYPE	DATE	INSULATED?	DENSITY
	Ν				Ν				Ν	
SHELL STAT	IC									
SHELL		MATER	IAL	H.T.	NOMINAL		DIAMETER	LENGTH	C.A.	RT LEVEL
SHELL SIDE 1		SA-	51670	Y	3.484 in		66 in.	in / mm	0.0620 in.	FULL
HEAD STATIO	0									
HEAD		MATER	RIAL	H.T.	NOMINAL		DIAMETER		C.A.	RT LEVEL
SHELL SIDE 1		SA-	51670	Y	2.727 in		66 in.		0.0620 in.	FULL
DESIGN / OPI	ERATING									

DESIGN DESCRIPTION	DESIGN PRESS.	DESIGN TEMP.	OPERATING PRESS.	OPERATING TEMP.	SERVICE
SHELL SIDE 1	1375 PSI	649 °F	PSI / KPa	°F / °C	



PSV NAME PLATE DATA:

	PSV. 1	PSV. 2	PSV. 3	PSV. 4
Tag Number:	3501			
Serial Number:	79C4009			
Inlet Size - (Rating/Type):				
Outlet Size - (Rating/Type):				
Capacity (SCFM) Or	13444 SCFM			
Model Number:	1914GT			
Manufacturer:	CONSOLIDATED			
Set Pressure:	1375 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.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), Blistering (dimensional changes).

POTENTIAL DAMAGE MECHANISMS:

Fabrication Defects: Nothing Unusual Expected Corrosion: Crevice/under deposit, pH. Hydrogen Effects: N/A Mechanical Effects: None Anticipated 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: As required. VISUAL: Total tower and associated piping. Perform a video inspection on the lower head, shell area and as required.DIMENSIONAL MEASUREMENTS: If blistering, buckling or deformation found.



BP CANADA ENERGY COMPANY

INSPECTION NOTES:

2005: INTERNAL: THE INTERNAL SURFACE WAS NOT EVALUATED DURING THE VISUAL INSPECTION. PSV: THE PSV IS NOT SEALED AND THE DISCHARGE PIPING IS PROPERLY VENTED TO THE FLARE.
EXTERNAL: SHELL CONDITION: THE EXTERNAL SURFACE OF THIS TOWER IS IN GOOD MECHANICAL CONDITION WITH NO EVIDENCE OF CORROSION. THE COATING IS IN GOOD CONDITION WITH NO EVIDENCE OF FAILURE. THE COATING IS CHIPPED AND SCRATCHED. INSTRUMENTATION CONDITION: THE ASSOCIATED INSTRUMENTATION IS IN GOOD WORKING ORDER. INSULATION CONDITION: THE PIPE CLADDING AND INSULATION ARE IN GOOD CONDITION. THE CLADDING IS SEALED FROM THE WEATHER.
THERE IS SOME MINOR DENTING IN THE CLADDING. NOZZLE CONDITION: THE NOZZLES ARE IN GOOD MECHANICAL CONDITION WITH NO MEASURABLE CORROSION ON THE EXTERNAL SURFACES. THE WEEP HOLES ARE CLEAN AND CLEAR OF PRODUCT AND RUST. THE RE-PADS AND NOZZLE WELDS ARE IN GOOD CONDITION. THE RE-PADS AND NOZZLE COATING IS CHIPPED AND SCRATCHED. FLANGE CONDITION: ALL ASSOCIATED FLANGES AND BOLTING ARE INTACT AND SHOW NO EVIDENCE OF MECHANICAL DAMAGE, DETERIORATION, VISIBLE CRACKING, PROCESS LEAKS OR CORROSION
THE FLANGES AND NPT CONNECTIONS ARE IN GOOD MECHANICAL CONDITION WITH NO EVIDENCE OF MEASURABLE CORROSION. THE FLANGE RATING IS 900#. PIPING CONDITION: THE PIPING IS THREADED AND BOLTED. THE PIPING IS IN GOOD MECHANICAL CONDITION WITH NO MEASURABLE CORROSION. PIPE SUPPORT CONDITION: THE ASSOCIATED PIPE SUPPORTS ARE IN GOOD MECHANICAL CONDITION WITH NO EVIDENCE OF ANY MECHANICAL DAMAGE OR
DEGRADATION. BOLTED PIPE FLANGE CONNECTIONS: THE ASSOCIATED PIPING FLANGE BOLTING AND GASKETS ARE IN PLACE AND TIGHT. THE BOLTS ARE THE CORRECT LENGTH AND DIAMETER. THREADED PIPE CONNECTIONS: THE ASSOCIATED THREADED PIPING IS IN PLACE AND TIGHT. INSTRUMENTATION.
FOUNDATION CONDITION: THE TOWER SKIRT, BASEPLATE AND ANCHOR BOLTS ARE IN GOOD CONDITION WITH NO EVIDENCE OF MECHANICAL DETERIORATION. THE TOWER SKIRT IS ANCHORED TO THE CONCRETE. THE CONCRETE IS IN GOOD CONDITION. THE GROUND WIRE IS 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:	06/15/2005	Years:	0 YEARS
Next PSV Service:	PSV ID:	Bench Te	st Due:
	SN 79C4009	12/03/200	7