

Survey Software Spool Report

Mike Lloyd Technical Services Ltd. - SPOOL INSPECTION REPORT

Job No 01001 Surveyor MIKE LLOYD Date : 7-Dec-01 Time : 12:14 PM

Client BLUEWATER Ref Drg QYS-342-001 REV C2 Spool No SPOOL B

C:\SURVEY DATA\01001\Survey SPOOL B.SUR

C:\SURVEY DATA\01001\Design SPOOL B.DES

FLANGE	AZIMUTH ANGLE	Error From Design Deg mm AF	ZENITH ANGLE	Error From Design Deg mm AF	BOLT/HOLE ROTATION	Error From Design Deg mm RD	Az Error mm	Zn Error mm	Len Error mm
@	0.0		180.0		0.0				
01	104.6001	0.0 0.0	178.9933	1.01 1.6	0.0	0.0 0.0			
RF							** E/W	N/S	Len
02.00							F 0.4	-1.9	-2.8
_300							B -0.8	-1.6	
@	180.0		90.0		0.0				
02	181.5324	1.53 2.5	90.1391	0.14 0.2	0.05	0.05 0.1			
RF							Az	Zn	Len
02.00							F 0.0	-3.1	-1.6
_300							B -1.8	-2.9	
@	271.5		90.0		0.0				
03	272.8685	1.37 2.2	90.5347	0.53 0.9	4.9	4.9 5.4			
RF							Az	Zn	Len
02.00							F 0.6	0.1	0.5
_300							B -1.1	0.7	

CO-ORDINATE VALUES

FLG	ACTUAL (X)	ACTUAL (Y)	ACTUAL (Z)	DESIGN (X)	DESIGN (Y)	DESIGN (Z)	ERROR (X)	ERROR (Y)	ERROR (Z)
01	0.4	-1.9	2.8	0.0	0.0	0.0	0.4	-1.9	2.8
02	0.0	-144.4	398.9	0.0	-146.0	402.0	0.0	1.6	-3.1
03	-146.5	140.6	134.1	-146.0	140.0	134.0	-0.5	0.6	0.1

Note : The errors reported are the deviations from the design requirement shown on the above Ref Drg

Az (+) = clockwise when viewed from above, (always perpendicular to line of pipe).

Zn (+) = upwards, (always perpendicular to line of pipe).

* E/W N/S = flange within 10 degrees of vertical, (bolt hole rotation related to north).

Len (+) = long, (always along line of pipe).

Bolt Hole Error (+) = clockwise when looking on to face of flange.

() = Values for adjacent flange Azimuth, Zenith, Bolt Hole Rotation.

AF = flange face error in mm, (across face).

RD = bolt hole error in mm, (radial deviation).

F = error at front face.

B = error at weld face, (when pipe end, error at one diameter).

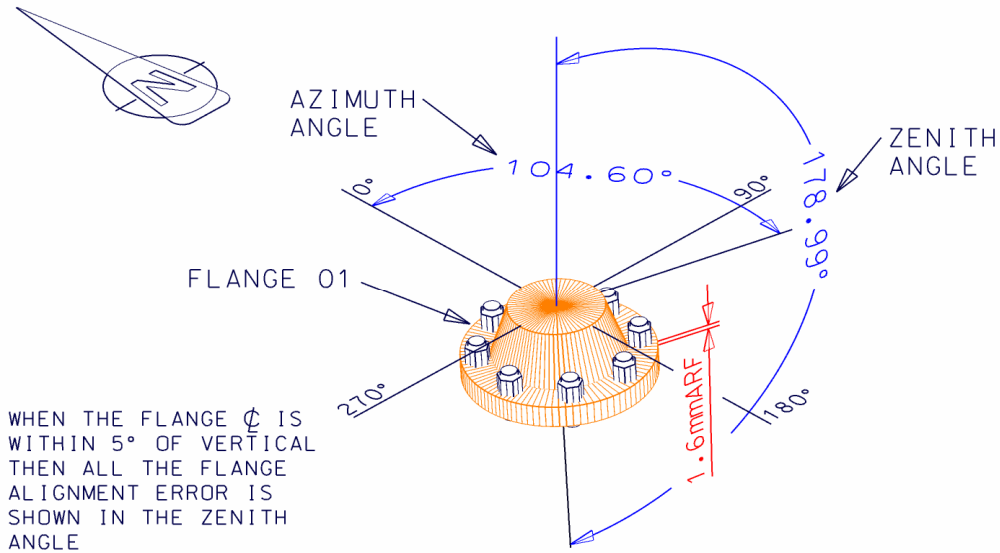
@ = design values.

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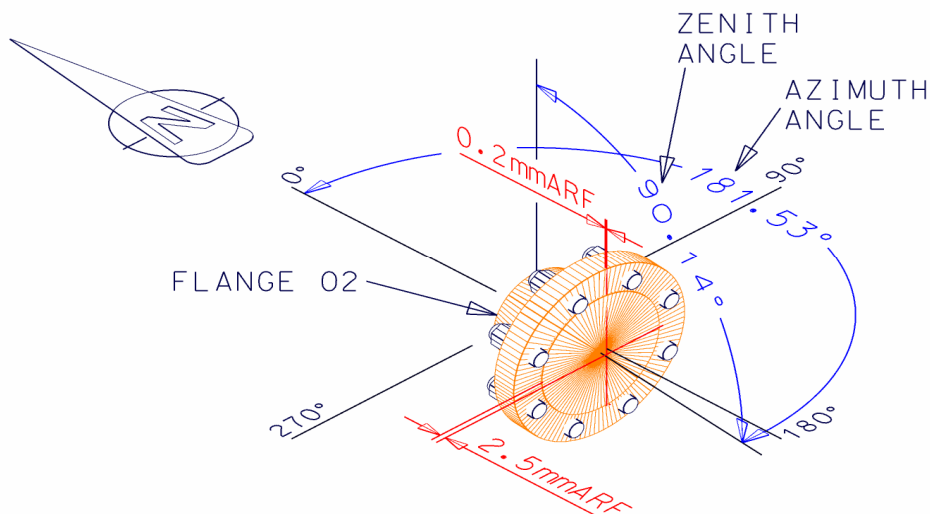
Typical spool report created directly from the survey data. This report **cannot** be edited, copied or changed.

Training Ver7.1 Spool Inspection Report (Text Output from AutoFix Software Explained)

FLANGE	AZIMUTH ANGLE	Error		ZENITH ANGLE	Error		BOLT/HOLE ROTATION	Error	
		From Design Deg	mm AF		From Design Deg	mm AF		From Design Deg	mm RD
@	0.0			180.0			0.0		
01	104.6001	0.0	0.0	178.9933	1.01	1.6	0.0	0.0	0.0
RF									
02.00									
_300									

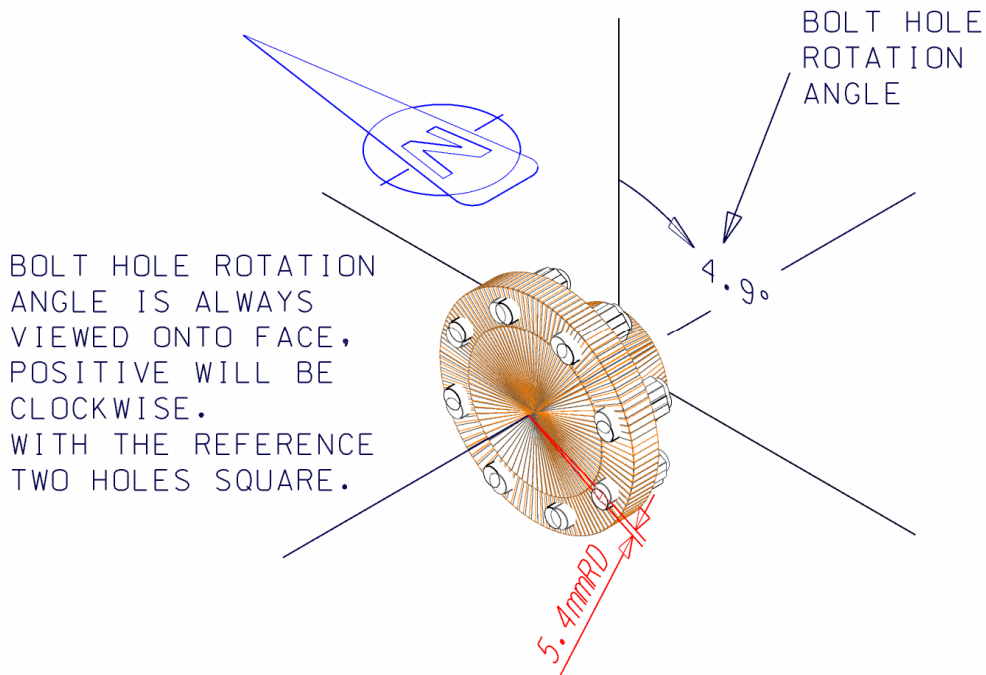
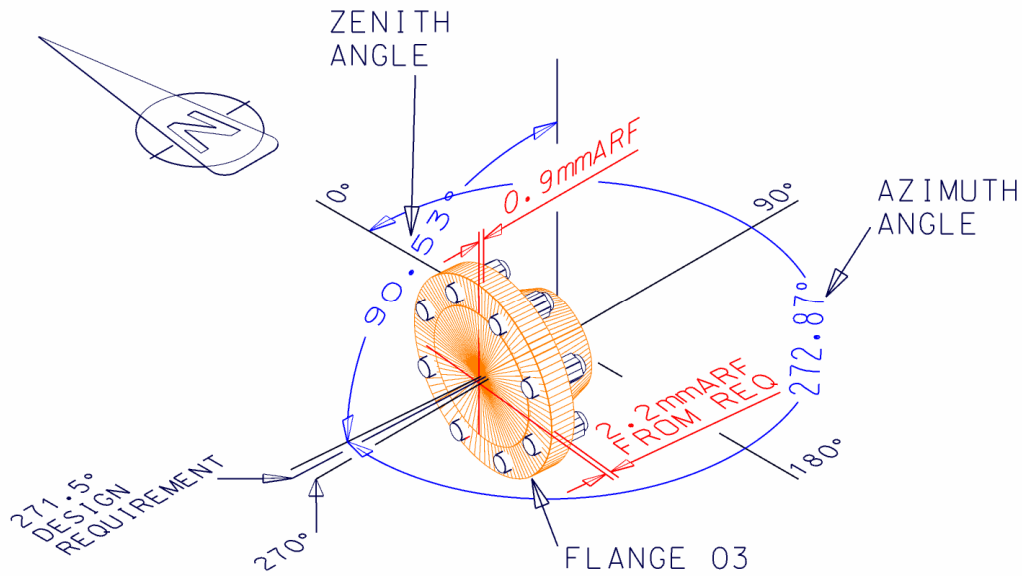


FLANGE	AZIMUTH ANGLE	Error		ZENITH ANGLE	Error		BOLT/HOLE ROTATION	Error	
		From Design Deg	mm AF		From Design Deg	mm AF		From Design Deg	mm RD
@	180.0			90.0			0.0		
02	181.5324	1.53	2.5	90.1391	0.14	0.2	0.05	0.05	0.1
RF									
02.00									
_300									



Training Ver7.1 Spool Inspection Report (Text Output from AutoFix Software Explained)

FLANGE	AZIMUTH ANGLE	Error		ZENITH ANGLE	Error		BOLT/HOLE ROTATION	Error	
		From Deg	Design mm AF		From Deg	Design mm AF		From Deg	Design mm RD
@	271.5			90.0			0.0		
03	272.8685	1.37	2.2	90.5347	0.53	0.9	4.9	4.9	5.4
RF									
02.00									
_300									



Example of CAD Spool Report

