

ROSEN

Inline Inspection Survey Report

ROSEN USA Project Number 0-1000-10908

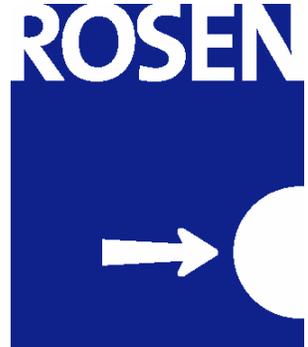
Plains All American Pipeline L.P.

24" Crude Oil Pipeline

Las Flores to Gaviota

EGP Survey Date: June 19, 2007

CDG Survey Date: June 1, 2007



ROSEN

Inline Inspection Survey Report

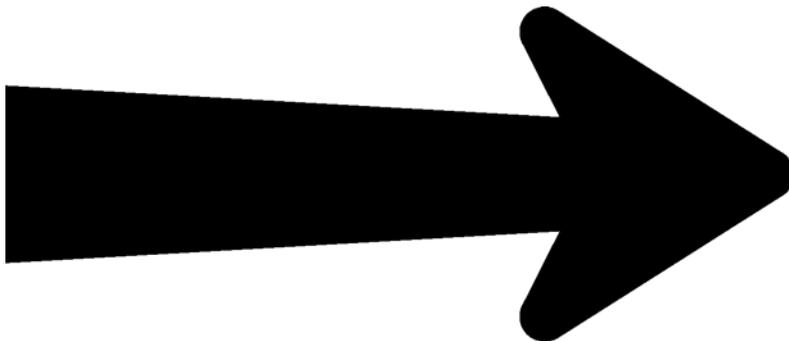
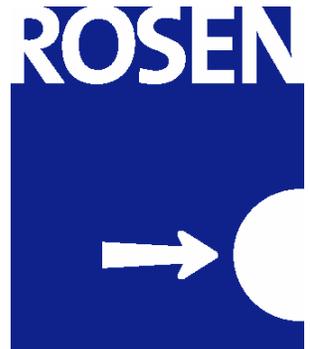
ROSEN USA Project Number 0-1000-10908

Plains All American Pipeline L.P.

**24" Crude Oil Pipeline
Las Flores to Gaviota**

EGP Survey Date: June 19, 2007

CDG Survey Date: June 1, 2007



Client Plains All American
 ROSEN Project No 0-1000-10908
 ROSEN Line Name 24" LAS-GAV
 Inspection Type EGP, CDG
 Inspection Date June 19, 2007
 Report Date August 15, 2007
 Revision Number 0

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1 | Introduction

This Inline Inspection Survey Report describes the pipeline inspection carried out by ROSEN in the 24" Las Flores to Gaviota line segment during May 2007 and June 2007. This report has been distributed as follows:

Plains All American Pipeline L.P. (Plains All American)

	Mrs. Jami Horton	1 copy
ROSEN	Central File	1 copy

The inspection activities included the following:

- Internal Geometry Inspection with the ROSEN Electronic Geometry Pig (EGP)
- Metal Loss Inspection and XYZ Mapping Survey with the ROSEN combination Corrosion Detection and HiRes XYZ Mapping Pig (CDG)
- Preparation and submission of the Inline Inspection Survey Report

The data is automatically searched for pipeline features using ROSEN Automated Feature Search Software (AFS). Thereafter, data evaluation personnel interactively verify the results utilizing proprietary software. All results are stored in database files (dbf). More information regarding this process can be found in the separate binder entitled Technical Reference.

This Inline Inspection Survey Report includes the results of all inspection runs performed by ROSEN in the pipeline during these inspection activities. The recorded CDG distance is used as the master distance for reporting all inspection results. All features that meet or exceed the reporting thresholds established for this project are listed in this report.

All distances are given in imperial units. Upstream distances are designated with a minus sign (-). All anomalies are referenced to the upstream girth weld.

The CDG center distance of the first valve in the launcher station has been set to 0.00 feet to aid in field measurement efforts.

A Management Summary is provided in Section 2. Detailed inspection results are given in Section 4. All technical information, including Terms and Definitions, Performance Specifications, and Dig Procedures, are provided in the separate Technical Reference binder.

ROSEN would like to thank Plains All American for the assistance and cooperation received during the course of this project.

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2 | Management Summary

This section describes the general condition of the inspected pipeline. For more detailed findings please refer to Section 4.

2.1 Management Summary Statement

The results of the inspection activities indicate this line segment is affected mostly by metal loss anomalies with the majority of the metal loss indications between 10 and 19% wall loss. No metal loss anomalies with a calculated wall loss of 80% or greater have been reported. Two (2) metal loss anomalies with an RStreng Case 2 (0.85dL) ERF equal to or greater than 1, have been reported.

2.2 Inspection Findings Summary

The findings of the inspection activities performed in this line segment are listed below.

Metal Loss Anomalies

Metal Loss Depth	All Anomalies	Metal Loss at Internal Pipewall			Other-Metal Loss Anomalies
		yes	no	n/a	n/a
≥ 60%	2	0	2	0	0
40 - 59%	12	0	12	0	0
20 - 39%	141	9	115	0	17
10 - 19%	556	228	257	0	71
Total	711	237	386	0	88

Metal loss anomalies with an RStreng Case2 (0.85dL) ERF ≥ 1: 2
 Metal loss anomalies ≥ 80 %: 0

Indications Without Depth Calculation (no metal loss)

Extra metal anomalies: 0
 Mill related anomalies: 0
Total: 0

Deformation Anomalies

Geometric Magnetic Anomalies: 0
 Geometric Magnetic Anomalies detected with metal loss: 0
 Ovalities: 0
 Dents: 0
 Dents detected with metal loss: 0
 Dents detected with gouging, grooving, or cracking: 0
Total: 0

Installations

Valves: 4
 Tees/taps: 20
 Others (sleeves, flanges, etc.): 88
Total: 112

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2.3 Anomaly Type Distribution Chart

This pie chart displays the different types of anomalies identified during the inspection and the relative percentage of the entire anomaly population each type represents.

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2.4 Depth Distribution of All Metal Loss Anomalies

This graph includes all metal loss anomalies that meet or exceed the reporting threshold. It displays the number of anomalies versus pipeline length in increments of 10000 feet.

The metal loss anomalies are grouped into four (4) categories as follows:

- . depth 10 – 19 %
- . depth 20 – 39 %
- . depth 40 – 59 %
- . depth \geq 60 %

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2.5 O'clock Position of All Metal Loss Anomalies

This plot shows the o'clock orientation of all reported metal loss anomalies versus pipeline length. The o'clock position is given as the leading upper corner of the anomaly rectangle looking in the downstream direction of the pipeline.



2.6 List of Most Severe Anomalies

This list contains anomalies prioritized according to the following priority rules, up to a maximum of 25 anomalies.

- Rule 1** Anomalies with peak depth greater than or equal to 80% wall loss
- Rule 2** Anomalies with a predicted burst pressure less than the given MOP
- Rule 3** Dents, or similar, above the 4 and 8 o'clock positions, which have associated indications of metal loss or stress riser
- Rule 4** Dents above the 4 and 8 o'clock positions with a calculated ID reduction greater than or equal to 6%
- Rule 5** Dents above the 4 and 8 o'clock positions with a calculated ID reduction greater than or equal to 3% (greater than 0.250" for NPS < 12)
- Rule 6** Dents located on the bottom of the pipe that have associated indications of metal loss or stress riser
- Rule 7** Dents with a calculated ID reduction greater than or equal to 2% (greater than 0.250" for NPS < 12) that affect a girth weld or longitudinal seam weld (applicable with appropriate inspection technology, i.e., ROSEN EGP, XGP, and AFD)
- Rule 8** Dents above the 4 and 8 o'clock positions with a calculated ID reduction greater than or equal to 2% (greater than 0.250" for NPS < 12)
- Rule 9** Dents on the bottom of the pipe with a calculated ID reduction greater than or equal to 6%.
- Rule 10** Anomalies with a predicted safe pressure less than the given MOP at the location of the anomaly
- Rule 11** Anomalies with a peak depth of greater than or equal to 50% wall loss
- Rule 12** Any indication of a crack or crack-like anomaly (applicable with appropriate inspection technology, i.e., ROSEN AFD)
- Rule 13** Metal loss of, along, or affecting a longitudinal seam weld (applicable with appropriate inspection technology, i.e., ROSEN AFD)
- Rule 14** An indication of a gouge or groove greater than or equal to 12.5% wall loss (where detected; may be applicable with appropriate inspection technology, i.e., ROSEN AFD)
- Rule 15** Anomalies with a peak depth greater or than or equal to 20% and less than 50%

For more information regarding these priority rules, please refer to the Technical Reference.

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The List of Most Severe Anomalies includes the following information:

Anomaly Information

- . S (start) log distance (upstream edge of the anomaly rectangle) in feet
- . latitude in degrees
- . longitude in degrees
- . height in feet
- . event
- . outer dimension
- . comment
- . o'clock (start position rotating clockwise the leading edge of the anomaly rectangle)
- . maximum depth in percent of actual wall thickness (metal loss)
- . maximum diameter reduction in percent of internal diameter (provided for dents, ovalities, etc.)
- . location classification of the deepest point of the anomaly per the following criteria
 - . W--- = on weld (± 0.12 inches from weld center)
 - . -C--- = close to weld (± 0.12 inches – 3 inch from weld center)
 - . --J-- = in joint
- . anomaly length in inches
- . anomaly width in inches
- . ERF (Estimated Repair Factor) calculated per RStreng Case 2 (0.85dL)
- . at internal pipe wall [yes/no/not applicable]
- . Priority Rule

Joint Information

- . given MAOP
- . given Design Pressure
- . wall thickness in inches
- . distance from the anomaly to the upstream girth weld in feet
- . upstream weld log distance in feet

For details on anomaly descriptions please refer to the Technical Reference.



2.7 Inspection Parameters

This section summarizes the parameters applicable to the in-line inspection activities carried out on this pipeline section during May 2007 and June 2007.

2.7.1 Pipeline Information

nominal diameter (NPS) [inches]	24
type of pipe	DSAW
grade	X60, X65
nominal wall thickness [inches]	0.344, 0.500
MAOP [PSI]	1140
design pressure [PSI]	1342, 1800
SMYS [PSI]	60000, 65000
minimum bend radius	Not Provided
length [miles]	10.87
built in	1987
pipeline product	Crude Oil
inspection history	Not Available

2.7.2 Line Questionnaire / Pipeline Information

Pipeline information as received from the client can be found on the following pages.

2.7.3 Data Quality Summary

The data recorded for both EGP run one (1) and EGP run two (2) were unsuccessful due to data loss from tool memory malfunction. The data recorded during the EGP run three (3) was accepted and was used for evaluation purposes. During the EGP run three (3), the tool velocity was within the pre-agreed ranges. All sensors recorded data for the entire length of the pipeline.

The data recorded during the CDG run was accepted and was used for evaluation purposes. All sensors recorded data for the entire length of the pipeline. The velocity during the CDG run was within the pre-agreed ranges. Please refer to the following pages for more information.

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2.7.4 Data Analysis Parameters

The following parameters were observed during the analysis activities. A recording threshold of 1% wall loss was achieved during the CDG inspection. The reporting thresholds applied to this line segment are as follows, as per Plains All American criteria:

- for *joint* features (J): $\geq 10\%$ wall loss (CDG); $\geq 2\%$ ID reduction (EGP)
- for *close to weld* features (C): $\geq 10\%$ wall loss (CDG); $\geq 2\%$ ID reduction (EGP)
- for *weld* features (W): $\geq 10\%$ wall loss (CDG); $\geq 2\%$ ID reduction (EGP)

An interaction rule was applied to individual metal loss anomalies in the event they were in close proximity to one another. The interaction rule applied was $1'' \times 6t$, as per Plains All American criteria. Additionally, a pressure based critical assessment has been performed on the findings based on the RStreng Case 2 (0.85dL). These results have been expressed in the form of an Estimated Repair Factor (ERF). Please refer to the Technical Reference for more information regarding this calculation.

The GPS coordinates (Latitude / Longitude) provided in this report were navigated in the NAD 1983 (CONUS) CORS96 datum.

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3 | Inspection Activities and Data Quality

3.1 Pre-Inspection Activities

Not Applicable.

3.1.1 Cleaning and Gauging Pig Data Sheet

Not Applicable.

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3.2 Internal Geometry Inspection (EGP)

The inspection of the internal geometry of the pipeline was performed with the ROSEN Electronic Geometry Pig (EGP). Three (3) EGP runs were performed in this line segment. EGP run one (1) and run two (2) were unsuccessful due to tool malfunction. The data recorded during the EGP run three (3) was accepted and was used for evaluation purposes.

ROSEN Inspection Survey Technicians Bernard Garcia and Richard Reyes performed the field activities.

Please note the following EGP run three (3) information:

Inspection Conditions

Inspection Direction	Las Flores to Gaviota
Launching Date/Time	June 18, 2007 / 08:40 AM
Receiving Date/Time	June 19, 2007 / 01:50 AM
Duration	17 hours, 10 minutes
Average Tool Velocity	0.86 feet per second
Maximum Tool Velocity	4.19 feet per second
Propellant	Crude Oil
Pressure (max.)	580 PSI
Temperature	129°F

Tool Condition after the Run

Cup Wear	None
Debris	None
Damage	None

Recorded Data

Start of Data Recording	-27.92 feet
End of Data Recording	57266.74 (10.85 miles)
Recorded Tool Rotation	Acceptable

Marker Information

No markers were placed during the EGP survey activities.

The data recorded during the EGP run three (3) was accepted and was used for evaluation purposes. During the EGP run three (3), the tool velocity was within the pre-agreed ranges. All sensors recorded data for the entire length of the pipeline. Please refer to the following pages for more information.

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3.2.1 EGP Tool Calibration and Data Sheet

The tool calibration and standard tool data sheet for the ROSEN EGP used during this survey is attached hereafter.

3.2.2 EGP Tool Velocity

The EGP tool used during this survey was programmed to operate within a velocity range of 0.33 feet to 14.11 feet per second. During the inspection, the velocity of the tool is constantly monitored. Based on this data, the following graph displays the minimum, average, and maximum velocity of the tool during the survey, in 17.54 ft. intervals.

3.2.3 EGP Tool Rotation

The following graph displays the rotation of the EGP tool during the survey. The rotational position, provided in degrees, is measured counter-clockwise looking in the downstream direction.

3.2.4 EGP Tool Temperature

The EGP Tool Temperature graph displays the recorded temperature encountered during the survey. Because the temperature probe is housed inside the tool, it takes approximately 30 minutes for the actual product temperature to be registered.

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3.3 Metal Loss Inspection and XYZ Mapping Survey (CDG)

The pipeline was inspected with the ROSEN combination Corrosion Detection and HiRes XYZ Mapping Pig (CDG). One (1) CDG run was performed during the inspection.

ROSEN Inspection Survey Technician Eugene Hensley performed the field activities.

Please note the following CDG run information:

Inspection Conditions

Inspection Direction	Las Flores to Gaviota
Launching Date/Time	May 31, 2007 / 06:21 AM
Receiving Date/Time	June 1, 2007 / 12:54 AM
Duration	18 hours, 33 minutes
Average Tool Velocity	0.83 feet per second
Maximum Tool Velocity	9.19 feet per second
Propellant	Crude Oil
Pressure (max.)	1300 PSI
Temperature	143°F

Tool Condition after the Run

Cup Wear	None
Debris	None
Damage	None

Recorded Data

Start of Data Recording	-27.92 feet
End of Data Recording	57266.74 feet (10.85 miles)
Recorded Tool Rotation	Acceptable

Marker Information (Above Ground Markers)

A total of twelve (12) marker locations were set and were established for this survey. Please refer to Section 4.4 List of Marker Positions for more information.

The data recorded during the CDG run was accepted and was used for evaluation purposes. All sensors recorded data for the entire length of the pipeline. The velocity during the CDG run was within the pre-agreed ranges. Please refer to the following pages for more information.

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3.3.1 CDG Tool Calibration and Data Sheet

The tool calibration and standard tool data sheet for the ROSEN CDG tool used during this survey is attached hereafter.

3.3.2 CDG Tool Velocity

The CDG tool used during this survey was programmed to operate within a velocity range of 1.64 feet per second to 16.41 feet per second. During the inspection, the velocity of the tool is constantly monitored. Based on this data, the following graph displays the minimum and maximum velocity of the tool during the survey, in per joint intervals.

3.3.3 CDG Tool Rotation

The following graph displays the rotation of the CDG tool during the survey. The rotational position, provided in degrees, is measured counter-clockwise looking in the downstream direction.

3.3.4 CDG Tool Temperature

The CDG Tool Temperature graph displays the recorded temperature encountered during the survey. Because the temperature probe is housed inside the tool, it takes approximately 30 minutes for the probe to register the actual product temperature.

3.3.5 CDG Magnetization Level

The magnetization level achieved during the CDG survey is typically between 10kA/m and 30kA/m in order to meet the Metal Loss Inspection Performance Specifications.

The CDG Magnetization Level graph displays the recorded magnetization level on the pipe wall during the inspection in per joint intervals. Please refer to the Technical Reference for further information.

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4 | Detailed Inspection Results

The detailed results of the inspection activities are presented in the following formats:

- Graphs
- Lists
- Pipe Tally
- Individual Sentenced Feature Reports (ISFR)

All distances are expressed in feet [ft]. Upstream distances are designated with a minus (-). All pipeline features are referenced to the upstream girth weld.

Any anomaly or pipeline feature that does not qualify for ROSEN Metal Loss Performance Specifications due to its geometry, location, or run conditions is provided for informational purposes only. Please refer to the Technical Reference for more information.



4.1 Special Graphs

ROSEN provides several anomaly graphs to present a quick overview of the reported anomaly distribution over the length of the pipeline.

4.1.1 Given MAOP, Pdesign, and Theoretical Safe Pressure Graph

This graph shows the Theoretical Safe Operating Pressure (P_{safetheo}), calculated on the basis of the RStreng Case 2 (0.85dL), together with the client specified Maximum Allowable Operating Pressure (MAOP) and Design Pressure (P_{DESIGN}). Please refer to the Technical Reference for more information regarding the Theoretical Safe Operating Pressure calculation.

4.1.2 ERF Distribution Graph

Following the RStreng Case 2 (0.85dL) code, an ERF calculation has been performed for all anomalies classified as metal loss internal / non-internal with a calculated wall thickness loss of 20 – 80%. For all other metal loss anomalies, no ERF values have been calculated. This plot indicates all metal loss anomalies for which an ERF has been calculated. For values where the P_{safetheo} lies below the MAOP, the ERF value is greater than one (1).

In this graph, the anomalies are displayed versus line distance in five (5) different groups:

$$\begin{aligned} & \text{ERF}_{0.85\text{dL}} < 0.60 \\ & 0.60 \leq \text{ERF}_{0.85\text{dL}} < 0.80 \\ & 0.80 \leq \text{ERF}_{0.85\text{dL}} < 0.90 \\ & 0.90 \leq \text{ERF}_{0.85\text{dL}} < 1.00 \\ & \text{ERF}_{0.85\text{dL}} \geq 1.00 \end{aligned}$$

A column is displayed for each interval of 10000 feet.

Please refer to the Technical Reference for more information regarding the ERF calculation.

4.1.3 Metal Loss Graphs

These graphs show metal loss anomalies, for which an internal/non-internal distinction was made, versus pipeline distance. The o'clock position is given as looking downstream.

- Depth Distribution of Internal Metal Loss Anomalies
- Depth Distribution of Non-Internal Metal Loss Anomalies
- O'clock Position of Internal Metal Loss Anomalies
- O'clock Position of Non-Internal Metal Loss Anomalies

4.1.4 Anomaly Relative to Closest Weld Distance Graph

This plot shows the relative distances of all reported anomalies to the closest circumferential girth weld versus pipeline length.

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4.2 List of Significances

This list includes the anomalies detected during the inspection runs performed in the pipeline that meet or exceed the established reporting thresholds.

The list includes the following information:

Anomaly Information

- . S (start) log distance (upstream edge of the anomaly rectangle) in feet
- . latitude in degrees
- . longitude in degrees
- . height in feet
- . event
- . comment
- . o'clock (start position rotating clockwise the leading edge of the anomaly rectangle)
- . maximum depth in percent of actual wall thickness (metal loss)
- . maximum diameter reduction in percent of internal diameter (provided for dents, ovalities, etc.)
- . anomaly length in inches
- . anomaly width in inches
- . ERF (Estimated Repair Factor) calculated per RStreng Case 2 (0.85dL)
- . at internal pipe wall [yes/no/not applicable]
- . Priority Rule
- . P2 Burst / MOP
- . Rstreng 0.85dL Psafetheo

Joint Information

- . given MAOP
- . given Design Pressure
- . wall thickness in inches
- . distance from the anomaly to the upstream girth weld in feet

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4.3 List of Installations

All installations reported are listed on the following page(s). The installations that can be easily referenced above ground were used for reference information to aid in locating other detected installations.

This list includes the following information:

- log distance in feet
- latitude in degrees
- longitude in degrees
- height in feet
- event
- o'clock orientation
- comments (if applicable)

References:

- distance from installation to closest reference installation in feet
- reference installation log distance in feet
- reference installation name
- distance from installation to closest marker in feet
- reference marker distance in feet
- reference marker name

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4.4 List of Marker Positions

During these inspection activities, the ROSEN Above Ground Marker (AGM) system was utilized.

All marker positions recorded during the inspection are provided in the attached list, which includes the following information:

- . log distance of marker location in feet
- . latitude in degrees
- . longitude in degrees
- . height in feet
- . event
- . comment
- . distance from marker to closest installation reference in feet
- . closest installation reference log distance in feet
- . closest installation reference name

The Above Ground Marker Location Sheets are provided in Section 5.



4.5 Pipe Tally

The pipe tally, includes all results of the inspection activities that meet or exceed the established reporting thresholds, and consists of the following:

| For welds

	log distance	joint no	downstream joint length
--	--------------	----------	-------------------------

| For installations

	log distance	type	
--	--------------	------	--

| For markers

	log distance	marker name	
--	--------------	-------------	--

| For anomalies

	log distance	anomaly information	
--	--------------	---------------------	--

Anomaly information is given in the following format:

type	weld to anomaly	position	depth	ERF	length	width	internal
	[ft]	[h]	[%]		[in.]	[in.]	
MELO	9.10	09:00	20	0.89	15	12	YES

Installation types with Area Start and Area End:

- Casing
- Installation area (Valve station, etc.)
- Launcher
- Receiver
- Sleeve

Installation types with centered distances:

- Flange
- Tap
- Tee
- Valve

Additional Information:

- latitude in degrees
- longitude in degrees
- height in feet

Client Plains All American
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4.6 Individually Sentenced Feature Report (ISFR)

ISFR's for the top five (5) most severe locations have been prepared according to the priority rules defined in Section 2.6: List of Most Severe Anomalies.

ISFR includes the following:

- Feature Location Sheet
- Data Plots
 - of the affected pipe joint (complete circumference)
 - enlargement of the anomaly or event
- Pipe Tally

Additional Information

Please see below for additional information regarding the provided ISFR:

ISFR No. 1 at log distance 5365.72 feet refers to a cluster with a total length/width of 14.66 inches x 17.01 inches, and a maximum calculated depth of 59%.

ISFR No. 2 at log distance 21438.79 feet refers to a cluster with a total length/width of 7.79 inches x 19.23 inches, and a maximum calculated depth of 64%.

ISFR No. 3 at log distance 18814.52 feet refers to a cluster with a total length/width of 1.88 inches x 3.50 inches, and a maximum calculated depth of 67%.

ISFR No. 4 at log distance 5362.03 feet refers to a cluster with a total length/width of 4.21 inches x 2.14 inches, and a maximum calculated depth of 54%.

ISFR No. 5 at log distance 31574.91 feet refers to a cluster with a total length/width of 4.91 inches x 8.27 inches, and a maximum calculated depth of 52%.

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5 | Attachments

5.1 **Site Inspection Report/Survey Completion Report**

Not applicable.

5.2 **Preliminary Inline Inspection Survey Report**

Not applicable.

5.3 **Above Ground Marker Sheets**

The onsite marker location sheets are attached hereafter.

5.4 **Inspection Verification Results**

Inspection verification results have not been received as of the submission of this report.

5.5 **Electronic Data Discs**

The ROSOFT Client Software data discs for this line are attached. Please refer to the ROSOFT Manual for information regarding installation of this data and operation of the ROSOFT Data Management Software.

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)	(b) (7)(F)	ft				%	in	in			in	ft	%
125.12	(b) (7)(F)	(b) (7)(F)	797.4828	09:04	metal loss	NO	16	0.71	0.91		70	0.344	3.33	
125.12	(b) (7)(F)	(b) (7)(F)	797.4828	09:04	Cluster	NO	16	3.55	2.64		70	0.344	3.33	
125.20	(b) (7)(F)	(b) (7)(F)	797.4735	09:12	metal loss	NO	10	0.63	0.71		70	0.344	3.25	
125.33	(b) (7)(F)	(b) (7)(F)	797.4585	09:23	metal loss	NO	7	1.02	0.71		70	0.344	3.12	
127.58	(b) (7)(F)	(b) (7)(F)	797.1990	06:17	metal loss	NO	10	0.71	0.71		70	0.344	0.87	
127.58	(b) (7)(F)	(b) (7)(F)	797.1990	05:50	Cluster	NO	18	2.00	3.44		70	0.344	0.87	
127.68	(b) (7)(F)	(b) (7)(F)	797.1880	05:50	metal loss	NO	18	0.87	1.06		70	0.344	0.77	
605.58	(b) (7)(F)	(b) (7)(F)	797.0721	09:48	metal loss	NO	10	0.87	0.71		250	0.344	0.87	
605.58	(b) (7)(F)	(b) (7)(F)	797.0721	09:48	Cluster	NO	10	0.86	2.41		250	0.344	0.87	
605.59	(b) (7)(F)	(b) (7)(F)	797.0724	09:58	metal loss	NO	7	0.79	1.30		250	0.344	0.87	
636.80	(b) (7)(F)	(b) (7)(F)	802.0368	05:53	metal loss	NO	11	1.02	1.14		260	0.344	0.97	
636.80	(b) (7)(F)	(b) (7)(F)	802.0368	04:38	Cluster	NO	15	1.85	8.94		260	0.344	0.97	
636.81	(b) (7)(F)	(b) (7)(F)	802.0382	04:38	metal loss	NO	10	1.73	3.39		260	0.344	0.96	
636.83	(b) (7)(F)	(b) (7)(F)	802.0406	05:27	metal loss	NO	15	1.26	1.18		260	0.344	0.94	
668.73	(b) (7)(F)	(b) (7)(F)	803.3050	01:34	Cluster	NO	21	4.67	10.14		290	0.344	1.75	
668.73	(b) (7)(F)	(b) (7)(F)	803.3050	02:59	metal loss	NO	19	4.29	0.71		290	0.344	1.75	
668.76	(b) (7)(F)	(b) (7)(F)	803.3057	02:07	metal loss	NO	18	4.29	1.14		290	0.344	1.72	
668.80	(b) (7)(F)	(b) (7)(F)	803.3065	02:34	metal loss	NO	21	3.39	1.53		290	0.344	1.68	
668.81	(b) (7)(F)	(b) (7)(F)	803.3067	09:38	metal loss	NO	40	1.02	0.94		290	0.344	1.67	
668.88	(b) (7)(F)	(b) (7)(F)	803.3080	03:04	metal loss	NO	6	0.94	0.71		290	0.344	1.61	
668.93	(b) (7)(F)	(b) (7)(F)	803.3092	01:49	metal loss	NO	5	0.94	0.71		290	0.344	1.55	
669.01	(b) (7)(F)	(b) (7)(F)	803.3107	01:34	metal loss	NO	6	0.94	0.71		290	0.344	1.48	
679.22	(b) (7)(F)	(b) (7)(F)	804.0510	08:16	metal loss	NO	25	2.36	1.30		310	0.344	-0.86	
679.28	(b) (7)(F)	(b) (7)(F)	804.0580	08:50	metal loss	NO	15	1.61	5.95		310	0.344	-0.92	
957.34	(b) (7)(F)	(b) (7)(F)	820.5215	04:17	Cluster	NO	28	3.46	3.33		420	0.344	-1.56	
957.34	(b) (7)(F)	(b) (7)(F)	820.5215	04:17	metal loss	NO	28	3.46	0.71		420	0.344	-1.56	
957.46	(b) (7)(F)	(b) (7)(F)	820.5352	04:36	metal loss	NO	13	1.14	1.30		420	0.344	-1.68	
957.56	(b) (7)(F)	(b) (7)(F)	820.5458	03:44	metal loss	NO	17	1.14	1.14		420	0.344	-1.77	
1071.67	(b) (7)(F)	(b) (7)(F)	831.4453	12:19	metal loss-manufacturing anomaly	N/A	18	0.67	0.83		450	0.344	7.59	
1198.08	(b) (7)(F)	(b) (7)(F)	842.8628	04:10	metal loss	YES	6	1.06	0.79		480	0.344	1.20	
1198.08	(b) (7)(F)	(b) (7)(F)	842.8628	04:10	Cluster	YES	13	4.90	1.11		480	0.344	1.20	
1198.23	(b) (7)(F)	(b) (7)(F)	842.8780	04:16	metal loss	YES	13	0.59	0.55		480	0.344	1.05	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	°		ft				%	in	in			in	ft	%
1198.32	(b) (7)(F)		842.8873	04:13	metal loss	YES	5	1.97	0.59		480	0.344	0.95	
1204.54	(b) (7)(F)		843.5122	03:59	metal loss	YES	6	0.91	1.65		490	0.344	-5.26	
1204.54	(b) (7)(F)		843.5122	03:56	Cluster	YES	13	8.21	5.13		490	0.344	-5.26	
1204.65	(b) (7)(F)		843.5232	04:11	metal loss	YES	5	0.63	0.71		490	0.344	-5.37	
1204.69	(b) (7)(F)		843.5279	04:28	metal loss	YES	6	2.68	0.59		490	0.344	-5.41	
1204.69	(b) (7)(F)		843.5282	04:39	metal loss	YES	5	2.01	0.63		490	0.344	-5.42	
1204.79	(b) (7)(F)		843.5378	04:11	metal loss	YES	13	0.71	0.55		490	0.344	-5.51	
1204.81	(b) (7)(F)		843.5395	03:56	metal loss	YES	6	0.63	0.71		490	0.344	-5.53	
1204.96	(b) (7)(F)		843.5554	04:16	metal loss	YES	7	1.61	0.71		490	0.344	-5.69	
1204.97	(b) (7)(F)		843.5563	04:03	metal loss	YES	5	1.42	1.18		490	0.344	-5.70	
1205.17	(b) (7)(F)		843.5756	04:10	metal loss	YES	7	0.63	0.63		490	0.344	-5.89	
1226.73	(b) (7)(F)		845.7444	07:51	Cluster	YES	10	2.05	0.73		490	0.344	12.52	
1226.73	(b) (7)(F)		845.7444	07:51	metal loss	YES	10	0.75	0.63		490	0.344	12.52	
1226.85	(b) (7)(F)		845.7564	07:52	metal loss	YES	5	0.63	0.71		490	0.344	12.40	
1231.34	(b) (7)(F)		846.2109	03:44	Cluster	YES	10	4.49	4.88		490	0.344	7.91	
1231.34	(b) (7)(F)		846.2109	03:57	metal loss	YES	7	1.10	0.59		490	0.344	7.91	
1231.37	(b) (7)(F)		846.2140	03:44	metal loss	YES	9	0.67	0.59		490	0.344	7.88	
1231.49	(b) (7)(F)		846.2271	04:19	metal loss	YES	5	0.83	0.71		490	0.344	7.76	
1231.51	(b) (7)(F)		846.2291	04:09	metal loss	YES	7	0.87	0.71		490	0.344	7.74	
1231.52	(b) (7)(F)		846.2305	03:59	metal loss	YES	10	0.71	0.59		490	0.344	7.73	
1231.64	(b) (7)(F)		846.2430	04:24	metal loss	YES	6	0.98	0.71		490	0.344	7.62	
1238.12	(b) (7)(F)		846.9762	07:51	Cluster	YES	10	0.97	1.78		490	0.344	1.13	
1238.12	(b) (7)(F)		846.9762	07:51	metal loss	YES	6	0.87	0.71		490	0.344	1.13	
1238.15	(b) (7)(F)		846.9791	08:02	metal loss	YES	10	0.67	0.59		490	0.344	1.11	
1239.41	(b) (7)(F)		847.1265	03:45	Cluster	YES	11	0.94	3.88		500	0.344	-0.16	
1239.41	(b) (7)(F)		847.1265	04:16	metal loss	YES	5	0.94	0.71		500	0.344	-0.16	
1239.41	(b) (7)(F)		847.1269	03:56	metal loss	YES	7	0.67	0.71		500	0.344	-0.16	
1239.42	(b) (7)(F)		847.1275	03:45	metal loss	YES	11	0.67	0.59		500	0.344	-0.16	
1242.62	(b) (7)(F)		847.5020	03:46	metal loss	YES	6	0.67	0.71		500	0.344	-3.37	
1242.62	(b) (7)(F)		847.5020	03:31	Cluster	YES	11	8.17	5.95		500	0.344	-3.37	
1242.66	(b) (7)(F)		847.5067	04:21	metal loss	YES	5	2.56	0.71		500	0.344	-3.41	
1242.66	(b) (7)(F)		847.5068	04:05	metal loss	YES	5	2.84	0.79		500	0.344	-3.41	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)	(b) (7)(F)	ft				%	in	in			in	ft	%
1242.74	(b) (7)(F)	(b) (7)(F)	847.5154	03:48	metal loss	YES	5	1.18	0.75		500	0.344	-3.49	
1242.93	(b) (7)(F)	(b) (7)(F)	847.5381	03:56	metal loss	YES	6	0.79	0.71		500	0.344	-3.68	
1243.03	(b) (7)(F)	(b) (7)(F)	847.5498	03:51	metal loss	YES	5	1.97	0.71		500	0.344	-3.78	
1243.09	(b) (7)(F)	(b) (7)(F)	847.5562	03:31	metal loss	YES	6	1.10	0.71		500	0.344	-3.84	
1243.10	(b) (7)(F)	(b) (7)(F)	847.5581	03:38	metal loss	YES	11	0.79	0.59		500	0.344	-3.85	
1243.24	(b) (7)(F)	(b) (7)(F)	847.5738	03:37	metal loss	YES	5	0.79	1.22		500	0.344	-3.99	
1252.92	(b) (7)(F)	(b) (7)(F)	848.7088	08:00	metal loss	YES	7	0.75	0.55		500	0.344	-13.67	
1252.92	(b) (7)(F)	(b) (7)(F)	848.7088	07:41	Cluster	YES	10	5.48	5.26		500	0.344	-13.67	
1252.96	(b) (7)(F)	(b) (7)(F)	848.7136	07:48	metal loss	YES	6	2.24	0.59		500	0.344	-13.71	
1253.01	(b) (7)(F)	(b) (7)(F)	848.7186	08:15	metal loss	YES	6	2.52	0.71		500	0.344	-13.76	
1253.06	(b) (7)(F)	(b) (7)(F)	848.7250	08:23	metal loss	YES	7	0.94	0.71		500	0.344	-13.81	
1253.18	(b) (7)(F)	(b) (7)(F)	848.7393	07:55	metal loss	YES	6	1.06	0.71		500	0.344	-13.93	
1253.23	(b) (7)(F)	(b) (7)(F)	848.7449	08:10	metal loss	YES	5	1.81	0.71		500	0.344	-13.98	
1253.26	(b) (7)(F)	(b) (7)(F)	848.7484	08:18	metal loss	YES	10	1.18	0.55		500	0.344	-14.01	
1253.26	(b) (7)(F)	(b) (7)(F)	848.7486	07:41	metal loss	YES	5	1.02	0.63		500	0.344	-14.01	
1253.28	(b) (7)(F)	(b) (7)(F)	848.7508	08:25	metal loss	YES	9	0.94	0.71		500	0.344	-14.03	
1253.30	(b) (7)(F)	(b) (7)(F)	848.7526	07:59	metal loss	YES	7	0.67	0.55		500	0.344	-14.05	
1256.78	(b) (7)(F)	(b) (7)(F)	849.1625	03:48	metal loss	YES	5	1.02	0.83		500	0.344	-17.53	
1256.78	(b) (7)(F)	(b) (7)(F)	849.1625	03:35	Cluster	YES	10	1.02	2.20		500	0.344	-17.53	
1256.79	(b) (7)(F)	(b) (7)(F)	849.1635	03:35	metal loss	YES	10	0.79	0.71		500	0.344	-17.54	
1262.70	(b) (7)(F)	(b) (7)(F)	849.8628	07:45	Cluster	YES	11	25.08	6.14		500	0.344	16.53	
1262.70	(b) (7)(F)	(b) (7)(F)	849.8628	08:07	metal loss	YES	7	2.56	0.71		500	0.344	16.53	
1262.72	(b) (7)(F)	(b) (7)(F)	849.8651	07:55	metal loss	YES	8	2.17	0.63		500	0.344	16.51	
1262.72	(b) (7)(F)	(b) (7)(F)	849.8652	08:12	metal loss	YES	8	2.48	0.71		500	0.344	16.51	
1262.75	(b) (7)(F)	(b) (7)(F)	849.8694	08:28	metal loss	YES	11	0.79	0.59		500	0.344	16.48	
1262.82	(b) (7)(F)	(b) (7)(F)	849.8771	08:25	metal loss	YES	8	1.02	0.59		500	0.344	16.41	
1263.00	(b) (7)(F)	(b) (7)(F)	849.8988	08:37	metal loss	YES	5	0.35	0.71		500	0.344	16.23	
1263.02	(b) (7)(F)	(b) (7)(F)	849.9014	08:17	metal loss	YES	6	1.97	0.71		500	0.344	16.21	
1263.08	(b) (7)(F)	(b) (7)(F)	849.9085	08:32	metal loss	YES	6	0.71	0.71		500	0.344	16.15	
1263.20	(b) (7)(F)	(b) (7)(F)	849.9224	08:15	metal loss	YES	7	0.79	0.79		500	0.344	16.03	
1263.23	(b) (7)(F)	(b) (7)(F)	849.9256	07:45	metal loss	YES	5	3.03	0.79		500	0.344	16.00	
1263.35	(b) (7)(F)	(b) (7)(F)	849.9400	08:02	metal loss	YES	5	1.22	0.71		500	0.344	15.88	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	°	°	ft				%	in	in			in	ft	%
1263.47	(b) (7)(F)		849.9546	08:15	metal loss	YES	7	3.35	0.71		500	0.344	15.76	
1263.54			849.9625	08:22	metal loss	YES	5	0.91	1.10		500	0.344	15.69	
1263.74			849.9861	07:57	metal loss	YES	5	0.63	0.71		500	0.344	15.49	
1263.74			849.9868	08:16	metal loss	YES	5	1.18	0.55		500	0.344	15.49	
1263.78			849.9908	08:27	metal loss	YES	7	0.71	0.87		500	0.344	15.45	
1263.84			849.9978	08:02	metal loss	YES	5	0.63	0.71		500	0.344	15.39	
1263.92			850.0076	08:27	metal loss	YES	5	0.67	0.71		500	0.344	15.31	
1264.05			850.0230	08:12	metal loss	YES	6	0.71	0.55		500	0.344	15.18	
1264.06			850.0238	08:31	metal loss	YES	5	0.47	0.55		500	0.344	15.17	
1264.10			850.0283	08:24	metal loss	YES	5	0.47	0.59		500	0.344	15.13	
1264.18			850.0388	08:25	metal loss	YES	6	0.75	0.91		500	0.344	15.05	
1264.27			850.0493	03:17	metal loss	YES	10	0.47	0.59		500	0.344	14.96	
1264.30			850.0521	08:24	metal loss	YES	5	0.55	1.14		500	0.344	14.93	
1264.30			850.0525	08:02	metal loss	YES	5	0.55	0.71		500	0.344	14.93	
1264.37			850.0611	08:17	metal loss	YES	7	0.63	0.59		500	0.344	14.86	
1264.38			850.0622	08:02	metal loss	YES	5	0.71	0.71		500	0.344	14.85	
1264.48			850.0733	08:32	metal loss	YES	5	1.81	0.71		500	0.344	14.75	
1264.64			850.0926	08:10	metal loss	YES	5	0.67	0.79		500	0.344	14.59	
1264.73			850.1033	08:22	metal loss	YES	5	0.71	0.59		500	0.344	14.50	
1265.90			850.2413	03:20	Cluster	YES	11	7.70	3.98		500	0.344	13.34	
1265.90			850.2413	03:37	metal loss	YES	5	0.75	0.71		500	0.344	13.34	
1266.01			850.2552	03:20	metal loss	YES	11	0.71	0.59		500	0.344	13.22	
1266.15			850.2717	03:41	metal loss	YES	7	0.63	0.71		500	0.344	13.08	
1266.19			850.2765	03:30	metal loss	YES	7	0.63	0.59		500	0.344	13.04	
1266.33			850.2925	03:49	metal loss	YES	5	2.52	0.94		500	0.344	12.90	
1266.45			850.3068	03:27	metal loss	YES	5	0.71	1.06		500	0.344	12.78	
1275.79			851.4171	08:46	metal loss	YES	6	0.39	0.71		500	0.344	3.44	
1275.79			851.4171	08:16	Cluster	YES	10	5.03	3.86		500	0.344	3.44	
1275.81			851.4195	08:23	metal loss	YES	7	0.59	0.71		500	0.344	3.42	
1275.90			851.4310	08:16	metal loss	YES	5	1.06	0.71		500	0.344	3.33	
1275.91			851.4317	08:32	metal loss	YES	10	0.67	0.63		500	0.344	3.32	
1276.02			851.4448	08:26	metal loss	YES	5	0.43	0.71		500	0.344	3.21	

Client Plains All American
 ROSEN Proj. No. 0-1000-10908
 Inspection Type EGP, CDG
 Inspection Date: June 19 2007
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 ROSEN Line Name: 24" LAS-GAV

24" LAS FLORES TO GAVIOTA

ROSOFT Anomaly

Inspection Technologies
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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1276.08			851.4524	08:31	metal loss	YES	6	0.71	0.71		500	0.344	3.15	
1276.15			851.4606	08:31	metal loss	YES	5	0.63	0.71		500	0.344	3.08	
1276.90			851.5489	07:59	Cluster	YES	11	9.19	5.01		500	0.344	2.33	
1276.90			851.5489	08:28	metal loss	YES	6	0.55	1.14		500	0.344	2.33	
1276.95			851.5542	08:00	metal loss	YES	5	2.09	0.98		500	0.344	2.28	
1276.97			851.5572	08:16	metal loss	YES	8	2.09	0.71		500	0.344	2.26	
1277.01			851.5615	08:26	metal loss	YES	6	1.26	0.71		500	0.344	2.22	
1277.02			851.5628	08:41	metal loss	YES	5	0.55	0.71		500	0.344	2.21	
1277.19			851.5835	08:30	metal loss	YES	6	0.51	0.79		500	0.344	2.04	
1277.24			851.5893	08:24	metal loss	YES	5	1.06	0.94		500	0.344	1.99	
1277.27			851.5923	08:06	metal loss	YES	9	0.83	0.55		500	0.344	1.96	
1277.38			851.6056	07:59	metal loss	YES	5	3.15	1.42		500	0.344	1.85	
1277.40			851.6081	08:41	metal loss	YES	5	0.47	0.71		500	0.344	1.83	
1277.48			851.6174	08:32	metal loss	YES	6	1.10	0.75		500	0.344	1.75	
1277.49			851.6181	08:18	metal loss	YES	7	0.71	0.59		500	0.344	1.74	
1277.54			851.6241	08:13	metal loss	YES	8	0.91	0.59		500	0.344	1.69	
1277.59			851.6294	08:27	metal loss	YES	11	0.71	0.55		500	0.344	1.64	
1277.62			851.6340	08:41	metal loss	YES	7	0.51	0.71		500	0.344	1.61	
1278.81			851.7731	07:46	Cluster	YES	10	5.35	9.59		500	0.344	0.42	
1278.81			851.7731	08:26	metal loss	YES	5	0.47	0.71		500	0.344	0.42	
1278.81			851.7737	08:01	metal loss	YES	5	0.71	0.71		500	0.344	0.42	
1278.82			851.7745	08:26	metal loss	YES	9	3.27	0.71		500	0.344	0.41	
1278.84			851.7767	08:11	metal loss	YES	10	2.68	0.59		500	0.344	0.39	
1278.87			851.7806	08:41	metal loss	YES	9	3.23	0.71		500	0.344	0.36	
1278.97			851.7930	08:31	metal loss	YES	5	0.94	0.71		500	0.344	0.26	
1279.03			851.7994	07:46	metal loss	YES	5	2.68	0.71		500	0.344	0.20	
1279.03			851.7996	07:58	metal loss	YES	8	2.44	0.67		500	0.344	0.20	
1279.03			851.8001	08:06	metal loss	YES	8	2.60	0.71		500	0.344	0.20	
1279.07			851.8039	08:16	metal loss	YES	5	1.81	2.76		500	0.344	0.16	
1279.08			851.8052	09:06	metal loss	YES	5	0.94	0.71		500	0.344	0.15	
1279.10			851.8076	08:52	metal loss	YES	9	1.34	0.59		500	0.344	0.13	
1279.14			851.8121	09:11	metal loss	YES	5	0.94	0.71		500	0.344	0.09	

Client Plains All American
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24" LAS FLORES TO GAVIOTA

ROSOFT Anomaly

Inspection Technologies
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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1284.35			852.4263	03:07	metal loss	YES	5	0.55	0.91		510	0.344	-5.12	
1284.35			852.4263	02:38	Cluster	YES	11	2.45	7.96		510	0.344	-5.12	
1284.44			852.4370	03:48	metal loss	YES	5	1.10	0.71		510	0.344	-5.21	
1284.45			852.4382	03:23	metal loss	YES	11	0.59	0.63		510	0.344	-5.22	
1284.47			852.4405	02:38	metal loss	YES	6	0.63	0.55		510	0.344	-5.24	
1284.48			852.4410	03:00	metal loss	YES	5	0.94	0.83		510	0.344	-5.25	
1296.52			853.8535	09:11	metal loss	YES	10	0.71	0.59		510	0.344	-17.29	
1296.52			853.8535	08:41	Cluster	YES	10	1.68	5.01		510	0.344	-17.29	
1296.52			853.8539	09:22	metal loss	YES	8	0.47	0.71		510	0.344	-17.29	
1296.53			853.8552	08:57	metal loss	YES	6	0.59	0.71		510	0.344	-17.30	
1296.61			853.8637	08:41	metal loss	YES	5	0.63	0.83		510	0.344	-17.38	
1296.97			853.9065	02:45	Cluster	YES	10	2.50	3.56		510	0.344	-17.74	
1296.97			853.9065	03:12	metal loss	YES	10	0.47	0.75		510	0.344	-17.74	
1297.06			853.9171	03:07	metal loss	YES	5	1.10	0.71		510	0.344	-17.83	
1297.14			853.9262	02:45	metal loss	YES	5	0.47	0.67		510	0.344	-17.91	
1299.79			854.2387	08:33	metal loss	YES	5	0.67	0.55		510	0.344	19.47	
1299.79			854.2387	08:33	Cluster	YES	10	5.15	4.65		510	0.344	19.47	
1299.91			854.2519	08:46	metal loss	YES	10	0.67	0.59		510	0.344	19.36	
1299.92			854.2540	08:57	metal loss	YES	7	0.55	0.71		510	0.344	19.34	
1300.02			854.2652	08:52	metal loss	YES	5	0.51	0.71		510	0.344	19.24	
1300.04			854.2679	09:11	metal loss	YES	5	0.87	0.67		510	0.344	19.22	
1300.18			854.2842	08:47	metal loss	YES	6	0.51	0.79		510	0.344	19.08	
1302.67			854.5774	01:57	metal loss	YES	12	0.55	0.55		510	0.344	16.59	
1322.91			856.9639	09:33	Cluster	YES	10	1.82	2.26		520	0.344	-3.65	
1322.91			856.9639	09:33	metal loss	YES	5	0.47	0.71		520	0.344	-3.65	
1322.99			856.9728	09:48	metal loss	YES	5	0.47	0.71		520	0.344	-3.73	
1323.03			856.9776	09:33	metal loss	YES	10	0.43	0.55		520	0.344	-3.77	
1330.47			857.8544	08:40	Cluster	YES	10	9.49	7.52		520	0.344	-11.21	
1330.47			857.8544	09:35	metal loss	YES	5	0.47	0.71		520	0.344	-11.21	
1330.48			857.8563	09:06	metal loss	YES	5	0.51	1.10		520	0.344	-11.22	
1330.55			857.8645	08:55	metal loss	YES	6	0.51	0.71		520	0.344	-11.29	
1330.57			857.8664	09:35	metal loss	YES	5	0.35	0.71		520	0.344	-11.31	

Client Plains All American
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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)	(b) (7)(F)	ft				%	in	in			in	ft	%
1330.59	(b) (7)(F)	(b) (7)(F)	857.8689	09:03	metal loss	YES	5	0.43	0.94		520	0.344	-11.33	
1330.60	(b) (7)(F)	(b) (7)(F)	857.8701	09:20	metal loss	YES	8	0.43	0.59		520	0.344	-11.34	
1330.71	(b) (7)(F)	(b) (7)(F)	857.8834	09:45	metal loss	YES	6	0.35	0.71		520	0.344	-11.45	
1330.72	(b) (7)(F)	(b) (7)(F)	857.8843	09:08	metal loss	YES	5	0.63	0.83		520	0.344	-11.46	
1330.74	(b) (7)(F)	(b) (7)(F)	857.8872	08:40	metal loss	YES	5	0.71	0.71		520	0.344	-11.48	
1330.75	(b) (7)(F)	(b) (7)(F)	857.8879	08:51	metal loss	YES	5	0.67	1.02		520	0.344	-11.49	
1330.78	(b) (7)(F)	(b) (7)(F)	857.8914	09:25	metal loss	YES	7	0.47	0.71		520	0.344	-11.52	
1330.83	(b) (7)(F)	(b) (7)(F)	857.8967	09:10	metal loss	YES	7	0.59	0.71		520	0.344	-11.57	
1330.96	(b) (7)(F)	(b) (7)(F)	857.9121	09:22	metal loss	YES	5	0.79	1.18		520	0.344	-11.69	
1331.01	(b) (7)(F)	(b) (7)(F)	857.9180	08:40	metal loss	YES	5	0.59	0.71		520	0.344	-11.75	
1331.01	(b) (7)(F)	(b) (7)(F)	857.9184	08:55	metal loss	YES	7	0.59	0.71		520	0.344	-11.75	
1331.04	(b) (7)(F)	(b) (7)(F)	857.9221	09:08	metal loss	YES	5	0.63	0.67		520	0.344	-11.78	
1331.07	(b) (7)(F)	(b) (7)(F)	857.9260	09:25	metal loss	YES	6	0.47	0.71		520	0.344	-11.81	
1331.14	(b) (7)(F)	(b) (7)(F)	857.9341	08:43	metal loss	YES	7	0.94	0.59		520	0.344	-11.88	
1331.17	(b) (7)(F)	(b) (7)(F)	857.9376	09:00	metal loss	YES	10	0.59	0.55		520	0.344	-11.91	
1331.18	(b) (7)(F)	(b) (7)(F)	857.9387	09:40	metal loss	YES	5	0.59	0.71		520	0.344	-11.92	
1331.21	(b) (7)(F)	(b) (7)(F)	857.9423	09:25	metal loss	YES	9	0.55	0.71		520	0.344	-11.95	
1341.04	(b) (7)(F)	(b) (7)(F)	859.1039	12:49	Cluster	YES	10	27.71	19.52		520	0.344	18.25	
1341.04	(b) (7)(F)	(b) (7)(F)	859.1039	02:05	metal loss	YES	8	0.47	0.75		520	0.344	18.25	
1341.05	(b) (7)(F)	(b) (7)(F)	859.1051	01:40	metal loss	YES	10	0.51	0.59		520	0.344	18.24	
1341.13	(b) (7)(F)	(b) (7)(F)	859.1152	02:14	metal loss	YES	5	0.55	0.71		520	0.344	18.15	
1341.14	(b) (7)(F)	(b) (7)(F)	859.1169	02:03	metal loss	YES	10	0.55	0.59		520	0.344	18.14	
1341.16	(b) (7)(F)	(b) (7)(F)	859.1192	01:39	metal loss	YES	6	0.35	0.71		520	0.344	18.12	
1341.22	(b) (7)(F)	(b) (7)(F)	859.1257	01:04	metal loss	YES	6	0.63	0.71		520	0.344	18.07	
1341.22	(b) (7)(F)	(b) (7)(F)	859.1258	12:49	metal loss	YES	5	0.39	0.71		520	0.344	18.07	
1341.23	(b) (7)(F)	(b) (7)(F)	859.1266	01:59	metal loss	YES	5	0.35	0.71		520	0.344	18.06	
1341.25	(b) (7)(F)	(b) (7)(F)	859.1291	01:29	metal loss	YES	5	0.47	0.71		520	0.344	18.04	
1341.34	(b) (7)(F)	(b) (7)(F)	859.1395	02:01	metal loss	YES	5	0.71	0.87		520	0.344	17.95	
1341.38	(b) (7)(F)	(b) (7)(F)	859.1444	02:29	metal loss	YES	5	0.59	0.71		520	0.344	17.91	
1341.45	(b) (7)(F)	(b) (7)(F)	859.1534	02:08	metal loss	YES	6	0.55	0.59		520	0.344	17.83	
1341.49	(b) (7)(F)	(b) (7)(F)	859.1578	02:29	metal loss	YES	5	0.51	0.71		520	0.344	17.80	
1341.52	(b) (7)(F)	(b) (7)(F)	859.1609	02:49	metal loss	YES	8	0.71	0.59		520	0.344	17.77	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)	(b) (7)(F)	ft				%	in	in			in	ft	%
1341.52	(b) (7)(F)	(b) (7)(F)	859.1616	12:58	metal loss	YES	6	0.67	0.59		520	0.344	17.76	
1341.55	(b) (7)(F)	(b) (7)(F)	859.1647	02:01	metal loss	YES	9	0.59	0.55		520	0.344	17.74	
1341.55	(b) (7)(F)	(b) (7)(F)	859.1654	01:14	metal loss	YES	6	0.55	0.71		520	0.344	17.73	
1341.57	(b) (7)(F)	(b) (7)(F)	859.1676	02:29	metal loss	YES	5	0.83	0.71		520	0.344	17.71	
1341.58	(b) (7)(F)	(b) (7)(F)	859.1687	01:33	metal loss	YES	8	0.51	0.59		520	0.344	17.70	
1341.60	(b) (7)(F)	(b) (7)(F)	859.1704	03:10	metal loss	YES	6	0.51	0.71		520	0.344	17.69	
1341.60	(b) (7)(F)	(b) (7)(F)	859.1711	02:19	metal loss	YES	7	0.59	0.71		520	0.344	17.68	
1341.62	(b) (7)(F)	(b) (7)(F)	859.1732	02:09	metal loss	YES	7	0.51	0.71		520	0.344	17.67	
1341.63	(b) (7)(F)	(b) (7)(F)	859.1740	01:59	metal loss	YES	5	0.55	0.71		520	0.344	17.66	
1341.64	(b) (7)(F)	(b) (7)(F)	859.1761	12:49	metal loss	YES	5	0.55	0.71		520	0.344	17.64	
1341.64	(b) (7)(F)	(b) (7)(F)	859.1762	01:10	metal loss	YES	6	0.43	0.63		520	0.344	17.64	
1341.71	(b) (7)(F)	(b) (7)(F)	859.1841	02:19	metal loss	YES	5	0.63	0.71		520	0.344	17.57	
1341.72	(b) (7)(F)	(b) (7)(F)	859.1852	01:44	metal loss	YES	5	1.02	0.71		520	0.344	17.57	
1341.72	(b) (7)(F)	(b) (7)(F)	859.1858	01:17	metal loss	YES	5	0.47	0.55		520	0.344	17.56	
1341.74	(b) (7)(F)	(b) (7)(F)	859.1871	01:34	metal loss	YES	6	0.55	0.71		520	0.344	17.55	
1341.74	(b) (7)(F)	(b) (7)(F)	859.1872	02:29	metal loss	YES	5	0.75	0.71		520	0.344	17.55	
1341.74	(b) (7)(F)	(b) (7)(F)	859.1874	01:59	metal loss	YES	6	0.55	0.71		520	0.344	17.55	
1341.74	(b) (7)(F)	(b) (7)(F)	859.1879	02:05	metal loss	YES	5	0.59	0.79		520	0.344	17.54	
1341.75	(b) (7)(F)	(b) (7)(F)	859.1889	02:19	metal loss	YES	5	0.55	0.71		520	0.344	17.53	
1341.76	(b) (7)(F)	(b) (7)(F)	859.1901	01:09	metal loss	YES	5	0.39	0.71		520	0.344	17.52	
1341.82	(b) (7)(F)	(b) (7)(F)	859.1966	02:39	metal loss	YES	5	0.43	0.71		520	0.344	17.47	
1341.84	(b) (7)(F)	(b) (7)(F)	859.1995	02:09	metal loss	YES	6	0.51	0.71		520	0.344	17.44	
1341.87	(b) (7)(F)	(b) (7)(F)	859.2032	01:19	metal loss	YES	5	0.63	0.55		520	0.344	17.41	
1341.91	(b) (7)(F)	(b) (7)(F)	859.2077	02:47	metal loss	YES	5	0.47	0.98		520	0.344	17.38	
1341.94	(b) (7)(F)	(b) (7)(F)	859.2114	02:31	metal loss	YES	5	0.39	0.75		520	0.344	17.34	
1341.97	(b) (7)(F)	(b) (7)(F)	859.2144	12:59	metal loss	YES	5	0.43	0.71		520	0.344	17.32	
1342.05	(b) (7)(F)	(b) (7)(F)	859.2244	02:19	metal loss	YES	7	0.47	0.59		520	0.344	17.23	
1342.06	(b) (7)(F)	(b) (7)(F)	859.2260	03:44	metal loss	YES	5	1.06	0.71		520	0.344	17.22	
1342.07	(b) (7)(F)	(b) (7)(F)	859.2269	03:29	metal loss	YES	5	1.30	0.71		520	0.344	17.21	
1342.13	(b) (7)(F)	(b) (7)(F)	859.2336	01:59	metal loss	YES	6	0.35	0.71		520	0.344	17.16	
1342.16	(b) (7)(F)	(b) (7)(F)	859.2368	02:44	metal loss	YES	7	0.63	0.63		520	0.344	17.13	
1342.18	(b) (7)(F)	(b) (7)(F)	859.2394	01:59	metal loss	YES	5	0.43	0.71		520	0.344	17.11	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1342.18			859.2394	02:09	metal loss	YES	6	0.63	0.71		520	0.344	17.11	
1342.18			859.2394	03:04	metal loss	YES	9	0.79	0.55		520	0.344	17.11	
1342.19			859.2408	12:24	metal loss	YES	10	0.59	0.71		520	0.344	17.10	
1342.19			859.2413	03:29	metal loss	YES	5	0.71	0.71		520	0.344	17.09	
1342.26			859.2491	03:49	metal loss	YES	6	0.94	0.67		520	0.344	17.03	
1342.31			859.2552	03:01	metal loss	YES	6	0.55	1.02		520	0.344	16.98	
1342.40			859.2654	02:44	metal loss	YES	5	0.63	0.71		520	0.344	16.89	
1342.48			859.2756	02:49	metal loss	YES	5	0.59	0.71		520	0.344	16.80	
1342.53			859.2813	01:59	metal loss	YES	9	0.47	0.71		520	0.344	16.76	
1342.55			859.2834	01:46	metal loss	YES	6	0.51	0.59		520	0.344	16.74	
1342.57			859.2859	01:34	metal loss	YES	6	0.47	0.71		520	0.344	16.72	
1342.58			859.2866	02:29	metal loss	YES	9	0.75	0.71		520	0.344	16.71	
1342.59			859.2878	01:05	metal loss	YES	5	0.55	0.83		520	0.344	16.70	
1342.59			859.2879	02:19	metal loss	YES	5	0.98	0.71		520	0.344	16.70	
1342.59			859.2883	02:44	metal loss	YES	6	0.51	0.71		520	0.344	16.70	
1342.60			859.2890	02:12	metal loss	YES	6	1.14	0.55		520	0.344	16.69	
1342.61			859.2912	01:24	metal loss	YES	5	0.59	0.55		520	0.344	16.67	
1342.62			859.2922	01:59	metal loss	YES	7	1.10	0.71		520	0.344	16.66	
1342.63			859.2931	01:49	metal loss	YES	6	0.55	0.71		520	0.344	16.65	
1342.72			859.3034	02:29	metal loss	YES	5	0.51	0.71		520	0.344	16.57	
1342.75			859.3069	03:19	metal loss	YES	5	0.51	0.55		520	0.344	16.54	
1342.75			859.3077	03:02	metal loss	YES	5	0.51	0.71		520	0.344	16.53	
1342.80			859.3130	02:29	metal loss	YES	5	0.47	0.71		520	0.344	16.49	
1342.80			859.3134	03:04	metal loss	YES	6	0.51	0.71		520	0.344	16.48	
1342.81			859.3143	01:32	metal loss	YES	6	0.55	0.83		520	0.344	16.48	
1342.83			859.3165	02:46	metal loss	YES	5	0.75	0.94		520	0.344	16.46	
1342.86			859.3205	01:04	metal loss	YES	5	0.47	0.87		520	0.344	16.42	
1342.88			859.3222	02:09	metal loss	YES	9	0.55	0.55		520	0.344	16.41	
1342.88			859.3225	02:34	metal loss	YES	5	0.47	0.71		520	0.344	16.41	
1342.88			859.3226	01:54	metal loss	YES	5	0.59	0.71		520	0.344	16.41	
1342.94			859.3301	12:59	metal loss	YES	5	0.39	0.71		520	0.344	16.34	
1342.95			859.3312	01:34	metal loss	YES	5	0.39	0.71		520	0.344	16.33	

Client Plains All American
 ROSEN Proj. No. 0-1000-10908
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24" LAS FLORES TO GAVIOTA

ROSOFT Anomaly

Inspection Technologies
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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1342.96			859.3327	02:19	metal loss	YES	5	0.47	0.71		520	0.344	16.32	
1342.99			859.3359	01:34	metal loss	YES	5	0.39	0.71		520	0.344	16.29	
1343.04			859.3416	02:16	metal loss	YES	5	0.59	0.71		520	0.344	16.25	
1343.12			859.3511	01:59	metal loss	YES	5	0.51	0.71		520	0.344	16.17	
1343.12			859.3515	01:29	metal loss	YES	5	0.51	0.71		520	0.344	16.16	
1343.18			859.3586	01:34	metal loss	YES	5	0.59	0.71		520	0.344	16.10	
1343.20			859.3602	01:59	metal loss	YES	6	0.47	0.71		520	0.344	16.09	
1343.30			859.3723	01:44	metal loss	YES	6	0.55	0.71		520	0.344	15.99	
1348.67			860.0116	12:26	metal loss	YES	10	0.55	0.71		520	0.344	10.62	
1349.99			860.1694	02:01	metal loss	YES	5	0.39	0.71		520	0.344	9.30	
1349.99			860.1694	01:40	Cluster	YES	11	1.61	3.90		520	0.344	9.30	
1350.00			860.1711	01:40	metal loss	YES	6	0.63	0.55		520	0.344	9.28	
1350.07			860.1788	02:11	metal loss	YES	11	0.67	0.55		520	0.344	9.22	
1359.24			861.2799	10:18	metal loss	YES	6	2.64	0.71		520	0.344	0.04	
1359.24			861.2799	08:48	Cluster	YES	13	7.85	12.23		520	0.344	0.04	
1359.29			861.2850	09:13	metal loss	YES	6	1.77	0.71		530	0.344	-0.00	
1359.29			861.2851	08:48	metal loss	YES	6	1.61	0.71		530	0.344	-0.00	
1359.30			861.2866	08:58	metal loss	YES	9	1.34	0.59		530	0.344	-0.01	
1359.30			861.2869	10:01	metal loss	YES	8	0.94	0.55		530	0.344	-0.02	
1359.31			861.2877	10:33	metal loss	YES	5	0.94	0.71		530	0.344	-0.02	
1359.35			861.2925	10:38	metal loss	YES	5	0.94	0.71		530	0.344	-0.06	
1359.37			861.2945	10:23	metal loss	YES	5	0.94	0.71		530	0.344	-0.08	
1359.42			861.3009	09:48	metal loss	YES	5	0.59	0.71		530	0.344	-0.13	
1359.42			861.3009	09:58	metal loss	YES	7	0.51	0.71		530	0.344	-0.13	
1359.48			861.3079	08:58	metal loss	YES	7	1.18	0.71		530	0.344	-0.19	
1359.49			861.3097	09:10	metal loss	YES	13	0.83	0.55		530	0.344	-0.21	
1359.54			861.3155	09:38	metal loss	YES	7	0.47	0.71		530	0.344	-0.25	
1359.54			861.3156	09:48	metal loss	YES	6	0.55	0.71		530	0.344	-0.25	
1359.59			861.3214	09:43	metal loss	YES	6	0.98	0.55		530	0.344	-0.30	
1359.62			861.3246	09:23	metal loss	YES	5	0.63	0.71		530	0.344	-0.33	
1359.62			861.3251	09:08	metal loss	YES	6	0.67	0.71		530	0.344	-0.33	
1359.63			861.3262	08:54	metal loss	YES	5	0.67	1.06		530	0.344	-0.34	

Client Plains All American
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ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1359.72			861.3379	09:02	metal loss	YES	6	0.43	0.59		530	0.344	-0.44	
1359.75			861.3408	09:18	metal loss	YES	6	0.43	0.71		530	0.344	-0.46	
1359.86			861.3540	09:06	metal loss	YES	7	0.47	0.59		530	0.344	-0.57	
1363.47			861.7895	01:43	metal loss	YES	5	0.47	1.10		530	0.344	-4.19	
1363.47			861.7895	12:59	Cluster	YES	10	3.68	17.30		530	0.344	-4.19	
1363.48			861.7907	02:33	metal loss	YES	5	1.77	0.71		530	0.344	-4.20	
1363.48			861.7910	12:59	metal loss	YES	5	0.39	0.59		530	0.344	-4.20	
1363.49			861.7919	03:00	metal loss	YES	6	0.51	0.75		530	0.344	-4.21	
1363.49			861.7919	01:18	metal loss	YES	5	0.67	0.71		530	0.344	-4.21	
1363.52			861.7957	02:48	metal loss	YES	6	1.53	0.71		530	0.344	-4.24	
1363.54			861.7976	02:58	metal loss	YES	5	1.02	0.71		530	0.344	-4.25	
1363.57			861.8010	02:14	metal loss	YES	10	0.75	0.63		530	0.344	-4.28	
1363.58			861.8020	03:33	metal loss	YES	6	0.55	0.55		530	0.344	-4.29	
1363.58			861.8028	01:43	metal loss	YES	5	0.55	0.71		530	0.344	-4.30	
1363.61			861.8067	01:51	metal loss	YES	6	0.59	0.55		530	0.344	-4.33	
1363.63			861.8086	03:38	metal loss	YES	5	0.55	0.71		530	0.344	-4.34	
1363.66			861.8117	02:43	metal loss	YES	6	0.43	0.71		530	0.344	-4.37	
1363.69			861.8165	03:08	metal loss	YES	5	0.55	0.71		530	0.344	-4.41	
1363.73			861.8213	01:43	metal loss	YES	6	0.51	0.71		530	0.344	-4.45	
1366.12			862.1094	02:40	metal loss	YES	6	0.47	0.71		530	0.344	-6.84	
1366.12			862.1094	01:45	Cluster	YES	12	13.34	14.31		530	0.344	-6.84	
1366.13			862.1104	03:40	metal loss	YES	5	0.75	0.71		530	0.344	-6.85	
1366.15			862.1130	02:50	metal loss	YES	5	0.55	0.71		530	0.344	-6.87	
1366.18			862.1167	03:19	metal loss	YES	7	0.63	0.79		530	0.344	-6.90	
1366.19			862.1173	03:07	metal loss	YES	5	0.47	0.59		530	0.344	-6.90	
1366.21			862.1197	02:35	metal loss	YES	8	0.39	0.55		530	0.344	-6.92	
1366.32			862.1324	03:30	metal loss	YES	5	1.22	0.71		530	0.344	-7.03	
1366.32			862.1325	03:25	metal loss	YES	5	1.34	0.71		530	0.344	-7.03	
1366.34			862.1350	03:41	metal loss	YES	6	0.87	0.75		530	0.344	-7.05	
1366.34			862.1356	03:20	metal loss	YES	6	0.87	0.71		530	0.344	-7.06	
1366.37			862.1394	03:10	metal loss	YES	5	0.59	0.71		530	0.344	-7.09	
1366.42			862.1446	01:45	metal loss	YES	6	0.51	0.71		530	0.344	-7.13	

Client Plains All American
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ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)	(b) (7)(F)	ft				%	in	in			in	ft	%
1366.43	(b) (7)(F)	(b) (7)(F)	862.1458	02:10	metal loss	YES	7	0.55	0.71		530	0.344	-7.14	
1366.49	(b) (7)(F)	(b) (7)(F)	862.1536	03:33	metal loss	YES	5	0.71	1.10		530	0.344	-7.21	
1366.53	(b) (7)(F)	(b) (7)(F)	862.1587	02:35	metal loss	YES	5	0.55	0.71		530	0.344	-7.25	
1366.61	(b) (7)(F)	(b) (7)(F)	862.1676	02:00	metal loss	YES	6	0.51	0.55		530	0.344	-7.32	
1366.61	(b) (7)(F)	(b) (7)(F)	862.1678	02:25	metal loss	YES	5	0.55	0.71		530	0.344	-7.32	
1366.63	(b) (7)(F)	(b) (7)(F)	862.1704	03:25	metal loss	YES	6	0.59	0.71		530	0.344	-7.35	
1366.63	(b) (7)(F)	(b) (7)(F)	862.1707	02:35	metal loss	YES	7	0.63	0.71		530	0.344	-7.35	
1366.68	(b) (7)(F)	(b) (7)(F)	862.1763	09:50	metal loss	YES	5	0.39	0.71		530	0.344	-7.39	
1366.68	(b) (7)(F)	(b) (7)(F)	862.1763	09:25	Cluster	YES	12	2.83	3.31		530	0.344	-7.39	
1366.70	(b) (7)(F)	(b) (7)(F)	862.1787	09:25	metal loss	YES	5	0.47	0.71		530	0.344	-7.41	
1366.70	(b) (7)(F)	(b) (7)(F)	862.1794	03:30	metal loss	YES	12	0.55	0.59		530	0.344	-7.42	
1366.74	(b) (7)(F)	(b) (7)(F)	862.1831	02:50	metal loss	YES	5	0.59	0.71		530	0.344	-7.45	
1366.74	(b) (7)(F)	(b) (7)(F)	862.1834	02:35	metal loss	YES	5	0.47	0.71		530	0.344	-7.45	
1366.78	(b) (7)(F)	(b) (7)(F)	862.1880	03:25	metal loss	YES	5	0.55	0.71		530	0.344	-7.49	
1366.82	(b) (7)(F)	(b) (7)(F)	862.1934	09:35	metal loss	YES	6	0.87	0.71		530	0.344	-7.54	
1366.83	(b) (7)(F)	(b) (7)(F)	862.1945	03:35	metal loss	YES	6	0.71	0.71		530	0.344	-7.54	
1366.85	(b) (7)(F)	(b) (7)(F)	862.1965	03:26	metal loss	YES	7	0.71	0.83		530	0.344	-7.56	
1366.86	(b) (7)(F)	(b) (7)(F)	862.1979	03:10	metal loss	YES	5	0.43	0.71		530	0.344	-7.57	
1366.87	(b) (7)(F)	(b) (7)(F)	862.1988	09:45	metal loss	YES	12	0.59	0.71		530	0.344	-7.58	
1366.88	(b) (7)(F)	(b) (7)(F)	862.2003	02:20	metal loss	YES	5	0.47	0.71		530	0.344	-7.59	
1366.89	(b) (7)(F)	(b) (7)(F)	862.2015	02:10	metal loss	YES	7	0.51	0.55		530	0.344	-7.60	
1366.90	(b) (7)(F)	(b) (7)(F)	862.2023	01:50	metal loss	YES	6	0.55	0.71		530	0.344	-7.61	
1366.92	(b) (7)(F)	(b) (7)(F)	862.2058	03:13	metal loss	YES	7	0.47	0.55		530	0.344	-7.64	
1366.93	(b) (7)(F)	(b) (7)(F)	862.2062	02:50	metal loss	YES	5	0.43	0.71		530	0.344	-7.64	
1366.95	(b) (7)(F)	(b) (7)(F)	862.2089	02:30	metal loss	YES	5	0.47	0.71		530	0.344	-7.66	
1366.97	(b) (7)(F)	(b) (7)(F)	862.2111	02:05	metal loss	YES	5	0.47	0.71		530	0.344	-7.68	
1366.99	(b) (7)(F)	(b) (7)(F)	862.2133	03:05	metal loss	YES	5	0.47	0.71		530	0.344	-7.70	
1367.03	(b) (7)(F)	(b) (7)(F)	862.2188	02:40	metal loss	YES	6	0.51	0.71		530	0.344	-7.75	
1367.06	(b) (7)(F)	(b) (7)(F)	862.2225	03:07	metal loss	YES	6	0.63	0.98		530	0.344	-7.78	
1367.07	(b) (7)(F)	(b) (7)(F)	862.2228	03:37	metal loss	YES	5	1.14	0.67		530	0.344	-7.78	
1367.07	(b) (7)(F)	(b) (7)(F)	862.2229	03:25	metal loss	YES	6	1.10	0.71		530	0.344	-7.78	
1367.08	(b) (7)(F)	(b) (7)(F)	862.2245	08:15	Cluster	YES	11	44.24	12.19		530	0.344	-7.79	

Client Plains All American
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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)	(b) (7)(F)	ft				%	in	in			in	ft	%
1367.08	(b) (7)(F)	(b) (7)(F)	862.2245	09:20	metal loss	YES	5	0.47	0.71		530	0.344	-7.79	
1367.08	(b) (7)(F)	(b) (7)(F)	862.2247	09:30	metal loss	YES	6	0.47	0.71		530	0.344	-7.80	
1367.09	(b) (7)(F)	(b) (7)(F)	862.2257	09:05	metal loss	YES	7	0.71	0.71		530	0.344	-7.80	
1367.09	(b) (7)(F)	(b) (7)(F)	862.2262	02:45	metal loss	YES	6	0.43	0.59		530	0.344	-7.81	
1367.16	(b) (7)(F)	(b) (7)(F)	862.2339	03:55	metal loss	YES	5	0.51	0.71		530	0.344	-7.87	
1367.17	(b) (7)(F)	(b) (7)(F)	862.2349	08:15	metal loss	YES	5	0.71	0.71		530	0.344	-7.88	
1367.19	(b) (7)(F)	(b) (7)(F)	862.2380	09:14	metal loss	YES	7	0.67	0.87		530	0.344	-7.91	
1367.20	(b) (7)(F)	(b) (7)(F)	862.2386	03:15	metal loss	YES	6	0.47	0.71		530	0.344	-7.91	
1367.20	(b) (7)(F)	(b) (7)(F)	862.2388	09:30	metal loss	YES	7	0.71	0.71		530	0.344	-7.91	
1367.25	(b) (7)(F)	(b) (7)(F)	862.2456	09:03	metal loss	YES	6	0.67	0.55		530	0.344	-7.97	
1367.30	(b) (7)(F)	(b) (7)(F)	862.2517	09:15	metal loss	YES	5	0.55	1.18		530	0.344	-8.02	
1367.31	(b) (7)(F)	(b) (7)(F)	862.2519	08:25	metal loss	YES	5	1.89	0.71		530	0.344	-8.02	
1367.31	(b) (7)(F)	(b) (7)(F)	862.2522	08:40	metal loss	YES	7	0.83	0.55		530	0.344	-8.02	
1367.44	(b) (7)(F)	(b) (7)(F)	862.2676	09:25	metal loss	YES	5	0.55	0.71		530	0.344	-8.15	
1367.51	(b) (7)(F)	(b) (7)(F)	862.2759	09:22	metal loss	YES	7	0.67	0.87		530	0.344	-8.22	
1367.51	(b) (7)(F)	(b) (7)(F)	862.2762	09:05	metal loss	YES	6	0.67	0.71		530	0.344	-8.22	
1367.51	(b) (7)(F)	(b) (7)(F)	862.2762	08:25	metal loss	YES	5	1.06	0.71		530	0.344	-8.22	
1367.52	(b) (7)(F)	(b) (7)(F)	862.2775	08:40	metal loss	YES	7	0.91	0.55		530	0.344	-8.23	
1367.64	(b) (7)(F)	(b) (7)(F)	862.2927	09:05	metal loss	YES	6	0.35	0.71		530	0.344	-8.36	
1367.67	(b) (7)(F)	(b) (7)(F)	862.2961	09:25	metal loss	YES	7	0.51	0.71		530	0.344	-8.39	
1367.69	(b) (7)(F)	(b) (7)(F)	862.2984	09:40	metal loss	YES	8	0.67	0.63		530	0.344	-8.41	
1367.77	(b) (7)(F)	(b) (7)(F)	862.3084	09:10	metal loss	YES	5	1.22	0.71		530	0.344	-8.49	
1367.78	(b) (7)(F)	(b) (7)(F)	862.3096	09:05	metal loss	YES	5	0.75	0.71		530	0.344	-8.50	
1367.80	(b) (7)(F)	(b) (7)(F)	862.3114	09:38	metal loss	YES	5	0.75	0.55		530	0.344	-8.51	
1367.85	(b) (7)(F)	(b) (7)(F)	862.3171	08:40	metal loss	YES	6	0.63	0.71		530	0.344	-8.56	
1367.89	(b) (7)(F)	(b) (7)(F)	862.3223	09:05	metal loss	YES	6	0.55	0.71		530	0.344	-8.60	
1367.99	(b) (7)(F)	(b) (7)(F)	862.3347	09:05	metal loss	YES	5	0.47	0.71		530	0.344	-8.71	
1368.06	(b) (7)(F)	(b) (7)(F)	862.3427	09:05	metal loss	YES	5	0.39	0.71		530	0.344	-8.77	
1368.13	(b) (7)(F)	(b) (7)(F)	862.3516	09:10	metal loss	YES	7	0.47	0.71		530	0.344	-8.85	
1368.18	(b) (7)(F)	(b) (7)(F)	862.3573	03:30	metal loss	YES	6	0.67	0.71		530	0.344	-8.89	
1368.18	(b) (7)(F)	(b) (7)(F)	862.3573	02:10	Cluster	YES	11	26.45	12.59		530	0.344	-8.89	
1368.18	(b) (7)(F)	(b) (7)(F)	862.3573	09:35	metal loss	YES	5	0.35	0.71		530	0.344	-8.89	

Client Plains All American
 ROSEN Proj. No. 0-1000-10908
 Inspection Type EGP, CDG
 Inspection Date: June 19 2007
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 ROSEN Line Name: 24" LAS-GAV

24" LAS FLORES TO GAVIOTA

ROSOFT Anomaly

Inspection Technologies
 www.RosenInspection.net



log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1368.21			862.3606	03:20	metal loss	YES	5	0.67	0.71		530	0.344	-8.92	
1368.23			862.3637	09:40	metal loss	YES	5	0.43	0.71		530	0.344	-8.95	
1368.25			862.3658	09:02	metal loss	YES	7	0.63	0.83		530	0.344	-8.96	
1368.26			862.3672	09:18	metal loss	YES	7	0.79	0.87		530	0.344	-8.98	
1368.30			862.3714	08:35	metal loss	YES	5	0.55	0.71		530	0.344	-9.01	
1368.31			862.3726	08:50	metal loss	YES	5	0.71	0.71		530	0.344	-9.02	
1368.32			862.3741	03:37	metal loss	YES	6	0.94	0.91		530	0.344	-9.03	
1368.32			862.3742	09:50	metal loss	YES	8	0.51	0.75		530	0.344	-9.03	
1368.33			862.3760	08:30	metal loss	YES	5	0.55	0.71		530	0.344	-9.05	
1368.39			862.3822	03:25	metal loss	YES	5	0.71	0.71		530	0.344	-9.10	
1368.41			862.3857	08:50	metal loss	YES	11	0.71	0.55		530	0.344	-9.13	
1368.45			862.3898	09:10	metal loss	YES	6	0.83	0.71		530	0.344	-9.16	
1368.47			862.3930	03:45	metal loss	YES	7	0.71	0.55		530	0.344	-9.19	
1368.48			862.3934	03:30	metal loss	YES	6	0.47	0.71		530	0.344	-9.19	
1368.52			862.3985	08:50	metal loss	YES	5	0.75	0.79		530	0.344	-9.23	
1368.57			862.4040	03:40	metal loss	YES	6	1.06	0.71		530	0.344	-9.28	
1368.59			862.4068	03:30	metal loss	YES	11	0.67	0.55		530	0.344	-9.30	
1368.62			862.4108	03:18	metal loss	YES	5	0.83	0.59		530	0.344	-9.34	
1368.66			862.4150	08:50	metal loss	YES	5	0.98	0.79		530	0.344	-9.37	
1368.66			862.4156	09:10	metal loss	YES	8	0.51	0.71		530	0.344	-9.38	
1368.66			862.4157	03:46	metal loss	YES	8	0.59	0.59		530	0.344	-9.38	
1368.67			862.4165	03:10	metal loss	YES	5	0.55	0.71		530	0.344	-9.38	
1368.69			862.4195	02:35	metal loss	YES	5	0.47	0.71		530	0.344	-9.41	
1368.71			862.4220	03:30	metal loss	YES	5	0.51	0.71		530	0.344	-9.43	
1368.72			862.4230	03:40	metal loss	YES	5	2.24	0.71		530	0.344	-9.44	
1368.74			862.4253	03:04	metal loss	YES	6	1.89	1.02		530	0.344	-9.46	
1368.76			862.4270	02:35	metal loss	YES	5	0.71	0.71		530	0.344	-9.47	
1368.76			862.4276	02:45	metal loss	YES	5	0.55	0.71		530	0.344	-9.48	
1368.78			862.4296	03:50	metal loss	YES	7	0.91	0.71		530	0.344	-9.49	
1368.78			862.4296	03:30	metal loss	YES	7	1.34	0.71		530	0.344	-9.49	
1368.80			862.4320	02:20	metal loss	YES	5	0.59	0.71		530	0.344	-9.51	
1368.80			862.4322	03:20	metal loss	YES	7	0.59	0.71		530	0.344	-9.51	

Client Plains All American
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24" LAS FLORES TO GAVIOTA

ROSOFT Anomaly

Inspection Technologies
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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1368.81			862.4335	08:49	metal loss	YES	6	1.06	0.67		530	0.344	-9.52	
1368.85			862.4378	10:00	metal loss	YES	5	0.43	0.71		530	0.344	-9.56	
1368.88			862.4418	09:15	metal loss	YES	6	0.47	0.71		530	0.344	-9.59	
1368.89			862.4427	02:10	metal loss	YES	5	0.35	0.71		530	0.344	-9.60	
1368.91			862.4457	08:50	metal loss	YES	5	0.63	0.55		530	0.344	-9.63	
1368.92			862.4463	09:55	metal loss	YES	6	0.63	0.71		530	0.344	-9.63	
1368.94			862.4488	03:50	metal loss	YES	5	0.83	0.71		530	0.344	-9.65	
1368.94			862.4494	08:35	metal loss	YES	5	0.55	0.71		530	0.344	-9.66	
1368.95			862.4499	09:45	metal loss	YES	9	0.47	0.71		530	0.344	-9.66	
1368.95			862.4510	03:30	metal loss	YES	5	1.06	0.71		530	0.344	-9.67	
1368.99			862.4553	03:14	metal loss	YES	5	0.71	0.87		530	0.344	-9.71	
1368.99			862.4558	09:32	metal loss	YES	6	0.55	0.63		530	0.344	-9.71	
1369.00			862.4562	08:31	metal loss	YES	6	1.61	0.83		530	0.344	-9.71	
1369.04			862.4608	08:48	metal loss	YES	8	0.75	0.91		530	0.344	-9.75	
1369.05			862.4620	09:55	metal loss	YES	6	0.98	0.71		530	0.344	-9.76	
1369.06			862.4634	09:47	metal loss	YES	6	0.67	0.63		530	0.344	-9.77	
1369.07			862.4654	03:30	metal loss	YES	5	0.43	0.71		530	0.344	-9.79	
1369.08			862.4658	09:35	metal loss	YES	6	0.55	0.71		530	0.344	-9.79	
1369.09			862.4669	03:05	metal loss	YES	6	0.39	0.71		530	0.344	-9.80	
1369.09			862.4676	09:40	metal loss	YES	6	0.51	0.71		530	0.344	-9.81	
1369.12			862.4711	03:47	metal loss	YES	6	1.34	0.75		530	0.344	-9.84	
1369.19			862.4792	08:42	metal loss	YES	6	0.47	0.94		530	0.344	-9.90	
1369.19			862.4792	03:15	metal loss	YES	5	0.43	0.71		530	0.344	-9.90	
1369.21			862.4813	09:40	metal loss	YES	6	0.47	0.71		530	0.344	-9.92	
1369.24			862.4854	10:00	metal loss	YES	7	0.51	0.71		530	0.344	-9.95	
1369.26			862.4876	03:28	metal loss	YES	8	0.51	0.55		530	0.344	-9.97	
1369.27			862.4887	03:10	metal loss	YES	5	0.47	0.71		530	0.344	-9.98	
1369.27			862.4893	08:25	metal loss	YES	6	0.94	1.06		530	0.344	-9.99	
1369.29			862.4911	09:20	metal loss	YES	6	0.47	0.71		530	0.344	-10.00	
1369.34			862.4975	03:45	metal loss	YES	6	1.06	0.98		530	0.344	-10.05	
1369.38			862.5021	09:35	metal loss	YES	7	0.47	0.75		530	0.344	-10.09	
1369.40			862.5051	03:25	metal loss	YES	6	0.63	0.71		530	0.344	-10.12	

Client Plains All American
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ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1369.42			862.5066	03:10	metal loss	YES	7	0.43	0.55		530	0.344	-10.13	
1369.43			862.5083	09:10	metal loss	YES	7	0.47	0.71		530	0.344	-10.14	
1369.45			862.5112	10:00	metal loss	YES	5	0.39	0.71		530	0.344	-10.17	
1369.48			862.5150	03:05	metal loss	YES	5	0.79	0.71		530	0.344	-10.20	
1369.50			862.5167	03:35	metal loss	YES	5	0.59	1.10		530	0.344	-10.21	
1369.52			862.5186	10:00	metal loss	YES	6	0.43	0.71		530	0.344	-10.23	
1369.52			862.5196	03:25	metal loss	YES	8	0.51	0.71		530	0.344	-10.24	
1369.55			862.5222	08:35	metal loss	YES	6	0.79	0.71		530	0.344	-10.26	
1369.60			862.5293	03:29	metal loss	YES	5	0.98	0.55		530	0.344	-10.32	
1369.62			862.5310	09:35	metal loss	YES	6	0.55	0.59		530	0.344	-10.33	
1369.64			862.5339	08:30	metal loss	YES	8	0.63	0.71		530	0.344	-10.36	
1369.66			862.5360	08:40	metal loss	YES	9	0.43	0.71		530	0.344	-10.37	
1369.66			862.5362	08:50	metal loss	YES	7	0.63	0.71		530	0.344	-10.38	
1369.68			862.5381	09:10	metal loss	YES	6	0.55	0.94		530	0.344	-10.39	
1369.71			862.5418	03:23	metal loss	YES	7	0.63	0.59		530	0.344	-10.42	
1369.76			862.5479	09:10	metal loss	YES	8	0.51	0.59		530	0.344	-10.47	
1369.80			862.5530	08:55	metal loss	YES	5	0.55	0.71		530	0.344	-10.51	
1369.81			862.5536	03:48	metal loss	YES	8	0.75	0.79		530	0.344	-10.52	
1369.85			862.5586	09:07	metal loss	YES	7	0.47	0.87		530	0.344	-10.56	
1369.85			862.5589	03:33	metal loss	YES	8	0.51	0.87		530	0.344	-10.56	
1369.93			862.5687	03:42	metal loss	YES	7	0.71	0.59		530	0.344	-10.64	
1369.94			862.5703	03:25	metal loss	YES	5	0.55	0.71		530	0.344	-10.66	
1369.95			862.5706	09:05	metal loss	YES	7	0.71	0.71		530	0.344	-10.66	
1369.99			862.5764	03:28	metal loss	YES	6	0.63	0.55		530	0.344	-10.71	
1370.01			862.5781	08:50	metal loss	YES	6	0.51	0.71		530	0.344	-10.72	
1370.02			862.5790	08:32	metal loss	YES	5	0.67	1.02		530	0.344	-10.73	
1370.02			862.5800	09:30	metal loss	YES	5	0.71	0.71		530	0.344	-10.74	
1370.05			862.5828	10:05	metal loss	YES	5	0.51	0.71		530	0.344	-10.76	
1370.05			862.5831	02:29	metal loss	YES	5	0.51	0.55		530	0.344	-10.76	
1370.06			862.5844	08:53	metal loss	YES	8	1.81	0.63		530	0.344	-10.77	
1370.06			862.5847	03:25	metal loss	YES	6	0.47	0.71		530	0.344	-10.78	
1370.11			862.5901	03:03	metal loss	YES	5	1.34	0.55		530	0.344	-10.82	

Client Plains All American
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ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1370.11			862.5909	09:05	metal loss	YES	7	0.47	0.71		530	0.344	-10.83	
1370.12			862.5919	08:45	metal loss	YES	5	0.75	0.71		530	0.344	-10.84	
1370.12			862.5920	03:10	metal loss	YES	5	0.55	0.71		530	0.344	-10.84	
1370.13			862.5933	03:30	metal loss	YES	5	0.55	0.71		530	0.344	-10.85	
1370.15			862.5948	02:40	metal loss	YES	5	0.47	0.59		530	0.344	-10.86	
1370.15			862.5954	09:05	metal loss	YES	5	0.63	0.71		530	0.344	-10.87	
1370.15			862.5957	08:30	metal loss	YES	5	0.79	0.71		530	0.344	-10.87	
1370.16			862.5968	09:45	metal loss	YES	7	0.55	0.71		530	0.344	-10.88	
1370.17			862.5972	09:55	metal loss	YES	8	0.39	0.71		530	0.344	-10.88	
1370.21			862.6027	02:15	metal loss	YES	5	0.43	0.71		530	0.344	-10.93	
1370.24			862.6065	08:50	metal loss	YES	10	0.59	0.71		530	0.344	-10.96	
1370.24			862.6066	03:45	metal loss	YES	5	1.65	0.71		530	0.344	-10.96	
1370.24			862.6066	02:52	metal loss	YES	6	0.39	0.63		530	0.344	-10.96	
1370.25			862.6071	09:05	metal loss	YES	8	0.47	0.71		530	0.344	-10.96	
1370.25			862.6077	02:40	metal loss	YES	5	0.67	0.71		530	0.344	-10.97	
1370.26			862.6085	03:25	metal loss	YES	5	0.67	0.91		530	0.344	-10.97	
1370.27			862.6097	04:05	metal loss	YES	5	0.94	0.55		530	0.344	-10.98	
1370.31			862.6140	03:35	metal loss	YES	5	0.94	0.71		530	0.344	-11.02	
1370.31			862.6148	08:33	metal loss	YES	6	0.55	0.55		530	0.344	-11.03	
1370.35			862.6199	09:30	metal loss	YES	5	0.39	0.71		530	0.344	-11.07	
1370.37			862.6216	09:45	metal loss	YES	6	0.43	0.71		530	0.344	-11.08	
1370.38			862.6228	08:30	metal loss	YES	5	0.55	0.71		530	0.344	-11.09	
1370.38			862.6228	08:50	metal loss	YES	6	0.43	0.71		530	0.344	-11.09	
1370.46			862.6327	09:05	metal loss	YES	5	0.47	0.71		530	0.344	-11.17	
1370.49			862.6361	09:15	metal loss	YES	6	0.47	0.71		530	0.344	-11.20	
1370.49			862.6362	08:35	metal loss	YES	5	0.67	0.71		530	0.344	-11.20	
1370.61			862.6504	09:40	metal loss	YES	7	0.43	0.71		530	0.344	-11.32	
1370.62			862.6515	09:55	metal loss	YES	5	0.47	0.71		530	0.344	-11.33	
1370.71			862.6629	09:25	metal loss	YES	5	0.67	0.71		530	0.344	-11.42	
1371.07			862.7063	08:30	metal loss	YES	5	0.63	0.71		530	0.344	-11.78	
1371.07			862.7063	08:09	Cluster	YES	10	14.12	13.51		530	0.344	-11.78	
1371.09			862.7086	08:41	metal loss	YES	10	0.59	0.71		530	0.344	-11.80	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1371.13			862.7139	08:20	metal loss	YES	5	0.47	0.71		530	0.344	-11.85	
1371.15			862.7165	08:45	metal loss	YES	5	0.51	0.71		530	0.344	-11.87	
1371.20			862.7224	10:00	metal loss	YES	5	0.43	0.71		530	0.344	-11.92	
1371.21			862.7235	09:05	metal loss	YES	6	0.43	0.71		530	0.344	-11.93	
1371.22			862.7242	08:25	metal loss	YES	5	1.18	0.63		530	0.344	-11.93	
1371.23			862.7260	09:28	metal loss	YES	5	0.75	0.59		530	0.344	-11.95	
1371.24			862.7267	08:45	metal loss	YES	5	0.75	0.71		530	0.344	-11.95	
1371.26			862.7291	09:50	metal loss	YES	5	0.39	0.71		530	0.344	-11.97	
1371.34			862.7387	10:00	metal loss	YES	5	0.47	0.71		530	0.344	-12.05	
1371.38			862.7436	09:05	metal loss	YES	7	0.43	0.71		530	0.344	-12.09	
1371.39			862.7443	09:40	metal loss	YES	5	0.43	0.71		530	0.344	-12.10	
1371.40			862.7460	08:43	metal loss	YES	9	0.75	0.63		530	0.344	-12.11	
1371.43			862.7497	09:55	metal loss	YES	5	0.43	0.71		530	0.344	-12.14	
1371.45			862.7521	09:00	metal loss	YES	5	0.39	0.67		530	0.344	-12.16	
1371.47			862.7552	08:22	metal loss	YES	6	0.67	0.94		530	0.344	-12.19	
1371.49			862.7574	08:55	metal loss	YES	5	0.39	0.71		530	0.344	-12.21	
1371.52			862.7610	09:15	metal loss	YES	9	0.75	0.59		530	0.344	-12.24	
1371.53			862.7616	02:05	Cluster	YES	13	12.13	11.86		530	0.344	-12.24	
1371.53			862.7616	03:10	metal loss	YES	5	0.43	0.71		530	0.344	-12.24	
1371.53			862.7621	03:20	metal loss	YES	6	0.47	0.71		530	0.344	-12.25	
1371.54			862.7627	09:30	metal loss	YES	6	0.67	0.71		530	0.344	-12.25	
1371.55			862.7641	03:00	metal loss	YES	5	0.71	0.71		530	0.344	-12.26	
1371.55			862.7643	09:45	metal loss	YES	7	0.43	0.71		530	0.344	-12.26	
1371.56			862.7654	03:10	metal loss	YES	7	0.67	0.71		530	0.344	-12.27	
1371.57			862.7668	09:58	metal loss	YES	8	0.39	0.71		530	0.344	-12.29	
1371.58			862.7676	08:55	metal loss	YES	5	0.71	0.71		530	0.344	-12.29	
1371.60			862.7702	02:40	metal loss	YES	6	0.47	0.71		530	0.344	-12.31	
1371.62			862.7722	03:37	metal loss	YES	6	0.75	0.63		530	0.344	-12.33	
1371.66			862.7769	09:35	metal loss	YES	5	0.39	0.71		530	0.344	-12.37	
1371.68			862.7796	02:15	metal loss	YES	8	0.39	0.71		530	0.344	-12.39	
1371.68			862.7803	03:20	metal loss	YES	6	0.59	0.87		530	0.344	-12.40	
1371.69			862.7812	03:52	metal loss	YES	6	0.94	0.59		530	0.344	-12.40	

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24" LAS FLORES TO GAVIOTA

ROSOFT Anomaly

Inspection Technologies
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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)	(b) (7)(F)	ft				%	in	in			in	ft	%
1371.70	(b) (7)(F)	(b) (7)(F)	862.7819	09:05	metal loss	YES	5	0.47	0.71		530	0.344	-12.41	
1371.71	(b) (7)(F)	(b) (7)(F)	862.7831	03:40	metal loss	YES	13	0.71	0.55		530	0.344	-12.42	
1371.73	(b) (7)(F)	(b) (7)(F)	862.7865	09:22	metal loss	YES	6	0.51	0.87		530	0.344	-12.45	
1371.73	(b) (7)(F)	(b) (7)(F)	862.7866	09:35	metal loss	YES	5	0.51	0.71		530	0.344	-12.45	
1371.74	(b) (7)(F)	(b) (7)(F)	862.7876	03:10	metal loss	YES	5	0.55	0.71		530	0.344	-12.46	
1371.74	(b) (7)(F)	(b) (7)(F)	862.7878	10:00	metal loss	YES	5	0.39	0.71		530	0.344	-12.46	
1371.75	(b) (7)(F)	(b) (7)(F)	862.7889	02:25	metal loss	YES	6	0.67	0.71		530	0.344	-12.47	
1371.76	(b) (7)(F)	(b) (7)(F)	862.7895	02:15	metal loss	YES	8	0.71	0.71		530	0.344	-12.47	
1371.76	(b) (7)(F)	(b) (7)(F)	862.7901	03:00	metal loss	YES	6	0.63	0.71		530	0.344	-12.48	
1371.80	(b) (7)(F)	(b) (7)(F)	862.7947	09:11	metal loss	YES	5	0.67	1.02		530	0.344	-12.52	
1371.80	(b) (7)(F)	(b) (7)(F)	862.7948	09:00	metal loss	YES	5	0.67	0.71		530	0.344	-12.52	
1371.82	(b) (7)(F)	(b) (7)(F)	862.7966	08:33	metal loss	YES	6	1.34	0.59		530	0.344	-12.53	
1371.82	(b) (7)(F)	(b) (7)(F)	862.7973	03:40	metal loss	YES	6	1.77	0.71		530	0.344	-12.54	
1371.84	(b) (7)(F)	(b) (7)(F)	862.7993	10:13	metal loss	YES	6	0.43	0.59		530	0.344	-12.55	
1371.84	(b) (7)(F)	(b) (7)(F)	862.7998	02:05	metal loss	YES	5	0.39	0.71		530	0.344	-12.56	
1371.85	(b) (7)(F)	(b) (7)(F)	862.8000	02:55	metal loss	YES	6	0.59	0.71		530	0.344	-12.56	
1371.87	(b) (7)(F)	(b) (7)(F)	862.8031	08:48	metal loss	YES	8	0.63	0.71		530	0.344	-12.59	
1371.88	(b) (7)(F)	(b) (7)(F)	862.8043	03:10	metal loss	YES	5	0.47	0.71		530	0.344	-12.60	
1371.90	(b) (7)(F)	(b) (7)(F)	862.8066	03:30	metal loss	YES	7	0.67	0.71		530	0.344	-12.62	
1371.94	(b) (7)(F)	(b) (7)(F)	862.8110	02:50	metal loss	YES	5	0.51	0.71		530	0.344	-12.65	
1371.97	(b) (7)(F)	(b) (7)(F)	862.8151	02:06	metal loss	YES	5	0.59	1.10		530	0.344	-12.69	
1372.00	(b) (7)(F)	(b) (7)(F)	862.8185	08:30	metal loss	YES	8	1.02	0.59		530	0.344	-12.71	
1372.01	(b) (7)(F)	(b) (7)(F)	862.8202	02:30	metal loss	YES	6	0.63	0.71		530	0.344	-12.73	
1372.03	(b) (7)(F)	(b) (7)(F)	862.8217	08:50	metal loss	YES	6	2.40	0.71		530	0.344	-12.74	
1372.03	(b) (7)(F)	(b) (7)(F)	862.8220	09:10	metal loss	YES	5	0.43	0.71		530	0.344	-12.74	
1372.05	(b) (7)(F)	(b) (7)(F)	862.8240	03:30	metal loss	YES	6	0.47	0.71		530	0.344	-12.76	
1372.05	(b) (7)(F)	(b) (7)(F)	862.8246	09:40	metal loss	YES	5	0.59	0.71		530	0.344	-12.76	
1372.06	(b) (7)(F)	(b) (7)(F)	862.8260	02:55	metal loss	YES	5	0.47	0.71		530	0.344	-12.78	
1372.07	(b) (7)(F)	(b) (7)(F)	862.8266	09:20	metal loss	YES	5	0.71	0.71		530	0.344	-12.78	
1372.07	(b) (7)(F)	(b) (7)(F)	862.8267	08:44	metal loss	YES	7	1.10	0.55		530	0.344	-12.78	
1372.09	(b) (7)(F)	(b) (7)(F)	862.8290	02:05	metal loss	YES	6	0.55	0.71		530	0.344	-12.80	
1372.09	(b) (7)(F)	(b) (7)(F)	862.8290	09:10	metal loss	YES	5	0.55	0.71		530	0.344	-12.80	

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ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1372.10			862.8304	03:35	metal loss	YES	8	0.83	0.71		530	0.344	-12.81	
1372.10			862.8309	08:09	metal loss	YES	6	0.75	0.59		530	0.344	-12.82	
1372.12			862.8330	08:28	metal loss	YES	6	1.53	0.79		530	0.344	-12.83	
1372.16			862.8373	02:45	metal loss	YES	5	0.51	0.71		530	0.344	-12.87	
1372.25			862.8491	03:35	metal loss	YES	6	0.79	1.02		530	0.344	-12.97	
1372.26			862.8505	03:05	metal loss	YES	5	1.14	0.71		530	0.344	-12.98	
1372.29			862.8534	03:20	metal loss	YES	5	0.55	0.71		530	0.344	-13.00	
1372.39			862.8658	03:10	metal loss	YES	5	0.59	0.71		530	0.344	-13.11	
1372.43			862.8710	02:18	Cluster	YES	10	15.32	11.54		530	0.344	-13.15	
1372.43			862.8710	03:52	metal loss	YES	5	0.47	0.71		530	0.344	-13.15	
1372.48			862.8769	03:07	metal loss	YES	5	0.67	0.71		530	0.344	-13.20	
1372.51			862.8803	03:42	metal loss	YES	7	0.59	0.55		530	0.344	-13.23	
1372.62			862.8931	03:37	metal loss	YES	6	1.06	0.71		530	0.344	-13.33	
1372.70			862.9027	03:37	metal loss	YES	7	0.59	0.71		530	0.344	-13.41	
1372.79			862.9134	03:55	metal loss	YES	5	0.51	0.55		530	0.344	-13.50	
1372.84			862.9199	03:07	metal loss	YES	5	0.43	0.71		530	0.344	-13.55	
1372.85			862.9211	03:21	metal loss	YES	6	0.51	0.79		530	0.344	-13.56	
1372.88			862.9242	04:02	metal loss	YES	5	0.59	0.71		530	0.344	-13.59	
1372.91			862.9288	03:20	metal loss	YES	5	0.79	0.67		530	0.344	-13.63	
1372.92			862.9295	03:42	metal loss	YES	10	0.63	0.71		530	0.344	-13.63	
1372.92			862.9301	03:05	metal loss	YES	6	0.43	0.55		530	0.344	-13.64	
1373.05			862.9447	03:37	metal loss	YES	5	0.39	0.71		530	0.344	-13.76	
1373.08			862.9493	03:16	metal loss	YES	5	0.75	0.75		530	0.344	-13.80	
1373.11			862.9524	03:43	metal loss	YES	8	0.55	0.59		530	0.344	-13.82	
1373.17			862.9600	03:28	metal loss	YES	6	1.81	0.83		530	0.344	-13.89	
1373.19			862.9627	03:16	metal loss	YES	6	0.71	0.63		530	0.344	-13.91	
1373.20			862.9641	03:52	metal loss	YES	6	1.06	0.71		530	0.344	-13.92	
1373.22			862.9655	03:42	metal loss	YES	10	1.02	0.55		530	0.344	-13.93	
1373.35			862.9810	03:52	metal loss	YES	5	1.34	0.71		530	0.344	-14.06	
1373.38			862.9853	03:37	metal loss	YES	7	0.98	0.87		530	0.344	-14.10	
1373.45			862.9932	02:47	metal loss	YES	5	0.55	0.71		530	0.344	-14.16	
1373.45			862.9932	02:37	metal loss	YES	6	0.51	0.71		530	0.344	-14.16	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1373.48			862.9973	03:07	metal loss	YES	5	0.71	0.71		530	0.344	-14.19	
1373.51			863.0006	03:16	metal loss	YES	5	0.71	0.55		530	0.344	-14.22	
1373.52			863.0021	02:57	metal loss	YES	6	0.47	0.71		530	0.344	-14.23	
1373.55			863.0057	02:18	metal loss	YES	7	0.55	0.59		530	0.344	-14.26	
1373.68			863.0213	02:37	metal loss	YES	5	0.39	0.71		530	0.344	-14.39	
1374.44			863.1130	08:37	metal loss	YES	5	1.06	0.75		530	0.344	-15.15	
1374.44			863.1130	08:16	Cluster	YES	10	7.01	11.81		530	0.344	-15.15	
1374.48			863.1182	09:47	metal loss	YES	6	0.43	0.71		530	0.344	-15.20	
1374.50			863.1199	08:27	metal loss	YES	5	0.39	0.71		530	0.344	-15.21	
1374.57			863.1284	09:05	metal loss	YES	5	1.34	0.55		530	0.344	-15.28	
1374.57			863.1292	08:16	metal loss	YES	6	0.75	0.55		530	0.344	-15.29	
1374.59			863.1310	08:27	metal loss	YES	6	0.63	0.71		530	0.344	-15.30	
1374.60			863.1325	09:20	metal loss	YES	5	0.59	0.83		530	0.344	-15.31	
1374.67			863.1414	08:31	metal loss	YES	5	0.87	0.55		530	0.344	-15.39	
1374.68			863.1415	09:18	metal loss	YES	5	0.39	0.83		530	0.344	-15.39	
1374.69			863.1437	08:57	metal loss	YES	5	0.47	0.71		530	0.344	-15.41	
1374.70			863.1441	09:47	metal loss	YES	5	0.51	0.71		530	0.344	-15.41	
1374.70			863.1447	08:42	metal loss	YES	6	0.59	0.71		530	0.344	-15.42	
1374.72			863.1474	09:07	metal loss	YES	5	0.43	0.71		530	0.344	-15.44	
1374.76			863.1520	09:57	metal loss	YES	5	0.47	0.71		530	0.344	-15.48	
1374.77			863.1529	09:07	metal loss	YES	5	0.47	0.71		530	0.344	-15.48	
1374.85			863.1628	09:27	metal loss	YES	6	0.59	0.71		530	0.344	-15.57	
1374.85			863.1628	09:37	metal loss	YES	10	0.55	0.71		530	0.344	-15.57	
1374.87			863.1652	09:47	metal loss	YES	7	0.51	0.71		530	0.344	-15.59	
1374.93			863.1720	09:52	metal loss	YES	5	0.47	0.67		530	0.344	-15.64	
1374.98			863.1787	10:02	metal loss	YES	5	0.47	0.71		530	0.344	-15.70	
1376.07			863.3097	09:46	Cluster	YES	11	1.70	1.82		530	0.344	-16.78	
1376.07			863.3097	09:50	metal loss	YES	5	0.55	0.71		530	0.344	-16.78	
1376.16			863.3212	09:57	metal loss	YES	8	0.55	0.71		530	0.344	-16.88	
1376.17			863.3217	09:46	metal loss	YES	11	0.51	0.59		530	0.344	-16.88	
1379.91			863.7700	08:27	Cluster	YES	10	6.49	11.08		530	0.344	19.38	
1379.91			863.7700	08:32	metal loss	YES	8	0.79	0.55		530	0.344	19.38	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1379.94			863.7734	09:47	metal loss	YES	5	0.39	0.71		530	0.344	19.35	
1379.94			863.7736	08:52	metal loss	YES	5	0.67	0.83		530	0.344	19.35	
1380.00			863.7807	09:12	metal loss	YES	5	1.85	0.71		530	0.344	19.29	
1380.01			863.7825	09:57	metal loss	YES	5	0.43	0.71		530	0.344	19.28	
1380.01			863.7825	10:07	metal loss	YES	5	0.55	0.71		530	0.344	19.28	
1380.02			863.7837	08:42	metal loss	YES	5	0.51	0.71		530	0.344	19.27	
1380.06			863.7875	09:07	metal loss	YES	5	0.59	0.71		530	0.344	19.23	
1380.08			863.7899	02:04	Cluster	YES	11	13.16	12.61		530	0.344	19.21	
1380.08			863.7899	02:52	metal loss	YES	6	0.39	0.71		530	0.344	19.21	
1380.09			863.7914	09:22	metal loss	YES	5	0.47	0.71		530	0.344	19.20	
1380.13			863.7966	09:42	metal loss	YES	5	0.47	0.71		530	0.344	19.16	
1380.14			863.7979	03:00	metal loss	YES	5	0.59	1.06		530	0.344	19.15	
1380.16			863.8002	02:44	metal loss	YES	5	0.63	0.75		530	0.344	19.13	
1380.17			863.8008	09:07	metal loss	YES	6	0.55	0.59		530	0.344	19.12	
1380.20			863.8049	08:32	metal loss	YES	5	0.59	0.71		530	0.344	19.09	
1380.21			863.8060	09:40	metal loss	YES	6	0.51	0.55		530	0.344	19.08	
1380.25			863.8106	03:42	metal loss	YES	7	0.83	0.71		530	0.344	19.04	
1380.26			863.8114	03:32	metal loss	YES	6	0.59	0.71		530	0.344	19.03	
1380.28			863.8147	08:47	metal loss	YES	5	1.77	0.55		530	0.344	19.01	
1380.29			863.8150	02:57	metal loss	YES	5	0.51	0.71		530	0.344	19.00	
1380.30			863.8163	09:47	metal loss	YES	6	0.51	0.71		530	0.344	18.99	
1380.31			863.8183	03:32	metal loss	YES	5	0.47	0.71		530	0.344	18.98	
1380.32			863.8187	08:52	metal loss	YES	6	0.47	0.71		530	0.344	18.97	
1380.32			863.8188	03:07	metal loss	YES	5	0.51	0.71		530	0.344	18.97	
1380.32			863.8193	03:20	metal loss	YES	6	0.67	0.59		530	0.344	18.97	
1380.32			863.8195	03:57	metal loss	YES	5	0.55	0.75		530	0.344	18.97	
1380.33			863.8202	09:02	metal loss	YES	6	0.63	0.71		530	0.344	18.96	
1380.38			863.8262	08:27	metal loss	YES	10	0.79	0.55		530	0.344	18.91	
1380.39			863.8277	08:39	metal loss	YES	7	0.71	0.63		530	0.344	18.90	
1380.40			863.8286	03:32	metal loss	YES	7	0.59	0.71		530	0.344	18.89	
1380.42			863.8308	03:27	metal loss	YES	6	0.51	0.71		530	0.344	18.87	
1380.47			863.8366	03:37	metal loss	YES	6	1.14	0.71		530	0.344	18.82	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1380.49			863.8390	02:12	metal loss	YES	5	0.59	0.71		530	0.344	18.80	
1380.50			863.8407	03:32	metal loss	YES	11	0.63	0.71		530	0.344	18.79	
1380.52			863.8435	02:29	metal loss	YES	6	0.51	0.71		530	0.344	18.77	
1380.55			863.8467	02:04	metal loss	YES	5	0.51	0.71		530	0.344	18.74	
1380.56			863.8475	02:49	metal loss	YES	7	0.63	0.71		530	0.344	18.73	
1380.58			863.8501	03:11	metal loss	YES	6	0.67	0.87		530	0.344	18.71	
1380.66			863.8598	02:09	metal loss	YES	5	0.43	0.71		530	0.344	18.63	
1380.69			863.8634	03:09	metal loss	YES	6	0.43	0.59		530	0.344	18.60	
1380.70			863.8651	03:24	metal loss	YES	6	0.39	0.71		530	0.344	18.59	
1380.74			863.8689	03:03	metal loss	YES	5	0.47	0.83		530	0.344	18.55	
1380.78			863.8740	02:59	metal loss	YES	6	0.55	0.63		530	0.344	18.51	
1380.79			863.8747	02:49	metal loss	YES	6	0.59	0.71		530	0.344	18.50	
1380.80			863.8765	03:34	metal loss	YES	6	0.51	0.71		530	0.344	18.49	
1380.80			863.8767	03:49	metal loss	YES	6	0.67	0.59		530	0.344	18.49	
1380.88			863.8857	03:22	metal loss	YES	6	0.55	0.83		530	0.344	18.41	
1380.88			863.8865	03:52	metal loss	YES	8	0.91	0.59		530	0.344	18.41	
1380.91			863.8895	03:34	metal loss	YES	5	0.94	1.06		530	0.344	18.38	
1380.97			863.8964	03:21	metal loss	YES	5	0.39	0.63		530	0.344	18.32	
1380.97			863.8966	08:22	Cluster	YES	10	5.74	2.72		530	0.344	18.32	
1380.97			863.8966	08:35	metal loss	YES	6	0.71	0.59		530	0.344	18.32	
1381.02			863.9032	03:05	metal loss	YES	5	0.63	1.38		530	0.344	18.27	
1381.03			863.9042	03:37	metal loss	YES	6	0.59	0.87		530	0.344	18.26	
1381.05			863.9068	08:34	metal loss	YES	5	0.55	0.71		530	0.344	18.24	
1381.07			863.9085	02:34	metal loss	YES	7	0.55	0.55		530	0.344	18.22	
1381.08			863.9099	02:44	metal loss	YES	5	0.47	0.71		530	0.344	18.21	
1381.10			863.9122	03:44	metal loss	YES	5	0.71	0.71		530	0.344	18.19	
1381.12			863.9142	02:54	metal loss	YES	5	0.51	0.71		530	0.344	18.17	
1381.12			863.9152	08:24	metal loss	YES	6	0.71	0.55		530	0.344	18.17	
1381.14			863.9167	02:09	metal loss	YES	5	0.43	0.71		530	0.344	18.15	
1381.15			863.9180	08:39	metal loss	YES	5	1.18	0.91		530	0.344	18.14	
1381.24			863.9297	03:19	metal loss	YES	5	0.55	0.71		530	0.344	18.04	
1381.24			863.9297	03:04	Cluster	YES	10	2.18	3.77		530	0.344	18.04	

Client Plains All American
 ROSEN Proj. No. 0-1000-10908
 Inspection Type EGP, CDG
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 ROSEN Line Name: 24" LAS-GAV

24" LAS FLORES TO GAVIOTA

ROSOFT Anomaly

Inspection Technologies
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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1381.25			863.9303	03:34	metal loss	YES	10	0.75	0.55		530	0.344	18.04	
1381.30			863.9365	03:04	metal loss	YES	5	0.55	0.71		530	0.344	17.99	
1381.31			863.9369	08:39	metal loss	YES	10	0.51	0.71		530	0.344	17.98	
1381.34			863.9413	08:22	metal loss	YES	5	0.87	0.59		530	0.344	17.95	
1381.39			863.9467	03:27	metal loss	YES	7	0.47	0.59		530	0.344	17.90	
1381.39			863.9467	08:39	metal loss	YES	5	0.71	0.71		530	0.344	17.90	
1382.61			864.0927	02:04	Cluster	YES	11	9.08	11.83		530	0.344	16.68	
1382.61			864.0927	02:49	metal loss	YES	5	0.63	0.71		530	0.344	16.68	
1382.69			864.1026	03:09	metal loss	YES	5	0.67	0.71		530	0.344	16.60	
1382.69			864.1027	03:42	metal loss	YES	5	0.63	0.79		530	0.344	16.60	
1382.71			864.1051	03:24	metal loss	YES	11	0.39	0.71		530	0.344	16.58	
1382.78			864.1132	03:40	metal loss	YES	11	0.59	0.59		530	0.344	16.51	
1382.80			864.1151	03:29	metal loss	YES	8	0.55	0.71		530	0.344	16.49	
1382.87			864.1243	03:24	metal loss	YES	8	0.67	0.63		530	0.344	16.42	
1382.90			864.1271	03:44	metal loss	YES	5	0.94	1.34		530	0.344	16.39	
1382.91			864.1291	02:19	metal loss	YES	6	0.47	0.71		530	0.344	16.38	
1382.96			864.1347	03:39	metal loss	YES	5	0.55	0.71		530	0.344	16.33	
1382.96			864.1350	02:49	metal loss	YES	5	0.43	0.71		530	0.344	16.33	
1382.97			864.1364	03:25	metal loss	YES	8	0.51	0.55		530	0.344	16.32	
1383.00			864.1394	03:04	metal loss	YES	6	0.63	0.71		530	0.344	16.29	
1383.00			864.1395	03:50	metal loss	YES	5	0.63	0.71		530	0.344	16.29	
1383.01			864.1404	02:49	metal loss	YES	7	0.59	0.71		530	0.344	16.28	
1383.03			864.1428	02:39	metal loss	YES	5	0.59	0.71		530	0.344	16.26	
1383.03			864.1430	03:24	metal loss	YES	6	0.79	0.71		530	0.344	16.26	
1383.09			864.1499	02:59	metal loss	YES	5	0.39	0.71		530	0.344	16.20	
1383.17			864.1603	03:39	metal loss	YES	7	0.51	0.55		530	0.344	16.12	
1383.20			864.1636	02:39	metal loss	YES	6	0.59	0.87		530	0.344	16.09	
1383.29			864.1741	02:19	metal loss	YES	5	0.39	0.71		530	0.344	16.00	
1383.30			864.1759	02:04	metal loss	YES	5	0.35	0.71		530	0.344	15.98	
1383.32			864.1773	02:43	metal loss	YES	8	0.59	0.67		530	0.344	15.97	
1383.64			864.2158	08:21	Cluster	YES	10	4.88	11.98		530	0.344	15.65	
1383.64			864.2158	09:09	metal loss	YES	5	0.67	0.71		530	0.344	15.65	

Client Plains All American
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ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1383.65			864.2166	09:22	metal loss	YES	8	0.71	0.55		530	0.344	15.64	
1383.67			864.2191	08:54	metal loss	YES	5	0.67	0.71		530	0.344	15.62	
1383.67			864.2195	10:09	metal loss	YES	5	0.43	0.71		530	0.344	15.62	
1383.73			864.2273	08:34	metal loss	YES	6	0.63	0.71		530	0.344	15.56	
1383.75			864.2287	09:49	metal loss	YES	10	0.51	0.59		530	0.344	15.54	
1383.78			864.2322	09:09	metal loss	YES	6	0.43	0.71		530	0.344	15.51	
1383.80			864.2347	08:21	metal loss	YES	5	1.10	0.71		530	0.344	15.49	
1383.82			864.2369	08:37	metal loss	YES	8	0.59	1.06		530	0.344	15.47	
1383.83			864.2387	08:54	metal loss	YES	6	0.51	0.71		530	0.344	15.46	
1383.84			864.2398	09:04	metal loss	YES	5	0.59	0.71		530	0.344	15.45	
1383.85			864.2416	09:15	metal loss	YES	6	0.59	0.94		530	0.344	15.43	
1383.87			864.2432	09:54	metal loss	YES	6	0.47	0.71		530	0.344	15.42	
1383.88			864.2442	09:44	metal loss	YES	6	0.47	0.71		530	0.344	15.41	
1383.99			864.2577	09:29	metal loss	YES	5	0.67	0.71		530	0.344	15.30	
1389.89			864.9379	01:56	Cluster	YES	13	9.49	12.15		530	0.344	9.40	
1389.89			864.9379	03:36	metal loss	YES	5	0.47	0.71		530	0.344	9.40	
1389.94			864.9443	03:13	metal loss	YES	6	0.47	0.59		530	0.344	9.35	
1390.05			864.9561	03:30	metal loss	YES	8	0.71	0.59		530	0.344	9.24	
1390.12			864.9647	03:06	metal loss	YES	5	0.63	0.71		530	0.344	9.16	
1390.15			864.9672	03:46	metal loss	YES	13	0.67	0.59		530	0.344	9.14	
1390.15			864.9675	03:30	metal loss	YES	11	0.67	0.63		530	0.344	9.14	
1390.20			864.9733	02:41	metal loss	YES	6	0.39	0.71		530	0.344	9.09	
1390.20			864.9735	02:52	metal loss	YES	7	0.55	0.59		530	0.344	9.09	
1390.24			864.9775	03:06	metal loss	YES	5	0.39	0.71		530	0.344	9.05	
1390.29			864.9832	03:26	metal loss	YES	6	0.51	0.71		530	0.344	9.00	
1390.31			864.9861	02:36	metal loss	YES	6	0.47	0.63		530	0.344	8.97	
1390.32			864.9864	02:16	metal loss	YES	6	0.43	0.55		530	0.344	8.97	
1390.34			864.9889	02:06	metal loss	YES	5	0.43	0.71		530	0.344	8.95	
1390.35			864.9902	03:06	metal loss	YES	6	0.47	0.71		530	0.344	8.94	
1390.40			864.9956	03:42	metal loss	YES	8	0.67	0.63		530	0.344	8.89	
1390.45			865.0013	02:07	metal loss	YES	6	0.47	0.71		530	0.344	8.84	
1390.45			865.0019	02:41	metal loss	YES	5	0.79	0.71		530	0.344	8.84	

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ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)	(b) (7)(F)	ft				%	in	in			in	ft	%
1390.47	(b) (7)(F)	(b) (7)(F)	865.0041	03:26	metal loss	YES	5	1.18	0.71		530	0.344	8.82	
1390.57	(b) (7)(F)	(b) (7)(F)	865.0152	01:56	metal loss	YES	5	0.39	0.71		530	0.344	8.72	
1390.61	(b) (7)(F)	(b) (7)(F)	865.0189	03:24	metal loss	YES	7	0.87	0.59		530	0.344	8.68	
1394.54	(b) (7)(F)	(b) (7)(F)	865.4626	01:56	Cluster	YES	10	7.66	14.01		530	0.344	4.74	
1394.54	(b) (7)(F)	(b) (7)(F)	865.4626	01:56	metal loss	YES	5	0.47	0.63		530	0.344	4.74	
1394.58	(b) (7)(F)	(b) (7)(F)	865.4669	03:28	metal loss	YES	8	0.87	0.67		530	0.344	4.71	
1394.59	(b) (7)(F)	(b) (7)(F)	865.4676	03:36	metal loss	YES	10	0.59	0.71		530	0.344	4.70	
1394.61	(b) (7)(F)	(b) (7)(F)	865.4704	02:51	metal loss	YES	5	0.59	0.71		530	0.344	4.68	
1394.64	(b) (7)(F)	(b) (7)(F)	865.4737	02:16	metal loss	YES	8	0.47	0.71		530	0.344	4.65	
1394.66	(b) (7)(F)	(b) (7)(F)	865.4755	03:03	metal loss	YES	8	0.47	0.55		530	0.344	4.63	
1394.66	(b) (7)(F)	(b) (7)(F)	865.4761	02:33	metal loss	YES	6	0.75	0.87		530	0.344	4.63	
1394.68	(b) (7)(F)	(b) (7)(F)	865.4781	02:06	metal loss	YES	6	0.39	0.71		530	0.344	4.61	
1394.70	(b) (7)(F)	(b) (7)(F)	865.4803	03:37	metal loss	YES	8	0.63	0.94		530	0.344	4.59	
1394.71	(b) (7)(F)	(b) (7)(F)	865.4814	10:06	metal loss	YES	5	0.39	0.71		530	0.344	4.58	
1394.71	(b) (7)(F)	(b) (7)(F)	865.4814	08:29	Cluster	YES	11	13.49	11.29		530	0.344	4.58	
1394.80	(b) (7)(F)	(b) (7)(F)	865.4915	09:46	metal loss	YES	6	1.42	0.71		530	0.344	4.49	
1394.80	(b) (7)(F)	(b) (7)(F)	865.4916	03:11	metal loss	YES	6	0.55	0.71		530	0.344	4.49	
1394.81	(b) (7)(F)	(b) (7)(F)	865.4924	03:06	metal loss	YES	6	0.51	0.71		530	0.344	4.48	
1394.81	(b) (7)(F)	(b) (7)(F)	865.4929	09:41	metal loss	YES	6	0.47	0.71		530	0.344	4.48	
1394.83	(b) (7)(F)	(b) (7)(F)	865.4944	09:36	metal loss	YES	5	0.75	0.71		530	0.344	4.46	
1394.89	(b) (7)(F)	(b) (7)(F)	865.5013	08:41	metal loss	YES	5	0.67	0.71		530	0.344	4.40	
1394.91	(b) (7)(F)	(b) (7)(F)	865.5043	09:11	metal loss	YES	10	0.55	0.55		530	0.344	4.38	
1394.93	(b) (7)(F)	(b) (7)(F)	865.5057	10:06	metal loss	YES	6	0.39	0.71		530	0.344	4.36	
1394.93	(b) (7)(F)	(b) (7)(F)	865.5058	03:00	metal loss	YES	8	0.55	0.67		530	0.344	4.36	
1394.99	(b) (7)(F)	(b) (7)(F)	865.5133	09:36	metal loss	YES	11	0.59	0.55		530	0.344	4.30	
1395.00	(b) (7)(F)	(b) (7)(F)	865.5140	03:38	metal loss	YES	6	0.71	1.22		530	0.344	4.29	
1395.01	(b) (7)(F)	(b) (7)(F)	865.5150	09:01	metal loss	YES	5	0.43	0.59		530	0.344	4.28	
1395.04	(b) (7)(F)	(b) (7)(F)	865.5183	03:06	metal loss	YES	6	0.67	0.59		530	0.344	4.25	
1395.09	(b) (7)(F)	(b) (7)(F)	865.5244	03:31	metal loss	YES	6	0.55	0.71		530	0.344	4.20	
1395.12	(b) (7)(F)	(b) (7)(F)	865.5273	09:26	metal loss	YES	5	0.39	0.71		530	0.344	4.17	
1395.12	(b) (7)(F)	(b) (7)(F)	865.5276	09:16	metal loss	YES	6	0.59	0.71		530	0.344	4.17	
1395.12	(b) (7)(F)	(b) (7)(F)	865.5279	03:46	metal loss	YES	6	0.71	0.71		530	0.344	4.17	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)	(b) (7)(F)	ft				%	in	in			in	ft	%
1395.12	(b) (7)(F)	(b) (7)(F)	865.5280	04:04	metal loss	YES	6	0.59	0.59		530	0.344	4.16	
1395.13	(b) (7)(F)	(b) (7)(F)	865.5283	10:01	metal loss	YES	5	0.39	0.71		530	0.344	4.16	
1395.16	(b) (7)(F)	(b) (7)(F)	865.5316	09:42	metal loss	YES	5	0.39	0.94		530	0.344	4.13	
1395.25	(b) (7)(F)	(b) (7)(F)	865.5420	09:25	metal loss	YES	10	0.59	0.59		530	0.344	4.04	
1395.25	(b) (7)(F)	(b) (7)(F)	865.5423	09:46	metal loss	YES	5	0.47	0.71		530	0.344	4.04	
1395.27	(b) (7)(F)	(b) (7)(F)	865.5441	09:11	metal loss	YES	6	0.63	0.71		530	0.344	4.02	
1395.27	(b) (7)(F)	(b) (7)(F)	865.5444	08:51	metal loss	YES	5	2.52	0.71		530	0.344	4.02	
1395.33	(b) (7)(F)	(b) (7)(F)	865.5513	09:11	metal loss	YES	5	0.55	0.71		530	0.344	3.96	
1395.33	(b) (7)(F)	(b) (7)(F)	865.5514	08:44	metal loss	YES	5	1.30	0.55		530	0.344	3.96	
1395.37	(b) (7)(F)	(b) (7)(F)	865.5555	09:26	metal loss	YES	5	0.55	0.71		530	0.344	3.92	
1395.38	(b) (7)(F)	(b) (7)(F)	865.5564	09:46	metal loss	YES	5	0.55	0.71		530	0.344	3.91	
1395.41	(b) (7)(F)	(b) (7)(F)	865.5601	10:11	metal loss	YES	5	0.47	0.71		530	0.344	3.88	
1395.43	(b) (7)(F)	(b) (7)(F)	865.5624	10:01	metal loss	YES	5	0.47	0.71		530	0.344	3.86	
1395.43	(b) (7)(F)	(b) (7)(F)	865.5628	09:16	metal loss	YES	5	0.59	0.71		530	0.344	3.86	
1395.51	(b) (7)(F)	(b) (7)(F)	865.5709	09:36	metal loss	YES	5	0.59	0.71		530	0.344	3.78	
1395.51	(b) (7)(F)	(b) (7)(F)	865.5713	09:51	metal loss	YES	5	0.39	0.71		530	0.344	3.78	
1395.51	(b) (7)(F)	(b) (7)(F)	865.5719	08:40	metal loss	YES	7	0.67	0.59		530	0.344	3.78	
1395.53	(b) (7)(F)	(b) (7)(F)	865.5739	08:54	metal loss	YES	6	0.67	0.55		530	0.344	3.76	
1395.54	(b) (7)(F)	(b) (7)(F)	865.5753	09:11	metal loss	YES	6	0.71	0.71		530	0.344	3.74	
1395.58	(b) (7)(F)	(b) (7)(F)	865.5790	09:46	metal loss	YES	6	0.39	0.71		530	0.344	3.71	
1395.58	(b) (7)(F)	(b) (7)(F)	865.5797	10:02	metal loss	YES	5	0.39	0.75		530	0.344	3.71	
1395.61	(b) (7)(F)	(b) (7)(F)	865.5831	08:54	metal loss	YES	6	0.51	0.55		530	0.344	3.68	
1395.68	(b) (7)(F)	(b) (7)(F)	865.5903	08:56	metal loss	YES	5	0.67	0.71		530	0.344	3.61	
1395.75	(b) (7)(F)	(b) (7)(F)	865.5988	08:29	metal loss	YES	6	0.79	0.71		530	0.344	3.54	
1395.78	(b) (7)(F)	(b) (7)(F)	865.6022	09:21	metal loss	YES	5	0.63	0.71		530	0.344	3.51	
1395.92	(b) (7)(F)	(b) (7)(F)	865.6171	10:01	metal loss	YES	5	0.51	0.71		530	0.344	3.37	
1395.92	(b) (7)(F)	(b) (7)(F)	865.6171	08:36	Cluster	YES	11	4.52	9.59		530	0.344	3.37	
1395.92	(b) (7)(F)	(b) (7)(F)	865.6177	09:11	metal loss	YES	5	0.55	0.91		530	0.344	3.37	
1395.95	(b) (7)(F)	(b) (7)(F)	865.6212	09:35	metal loss	YES	5	0.63	0.55		530	0.344	3.34	
1395.97	(b) (7)(F)	(b) (7)(F)	865.6230	09:46	metal loss	YES	6	0.59	0.71		530	0.344	3.32	
1396.08	(b) (7)(F)	(b) (7)(F)	865.6352	09:11	metal loss	YES	6	0.91	0.55		530	0.344	3.21	
1396.14	(b) (7)(F)	(b) (7)(F)	865.6422	08:57	metal loss	YES	11	0.63	0.59		530	0.344	3.15	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1396.17			865.6459	08:36	metal loss	YES	5	1.18	0.71		530	0.344	3.12	
1396.24			865.6540	09:16	metal loss	YES	5	0.59	0.63		530	0.344	3.05	
1398.09			865.8604	06:48	Cluster	YES	11	5.52	20.09		530	0.344	1.20	
1398.09			865.8604	07:08	metal loss	YES	5	1.10	0.71		530	0.344	1.20	
1398.11			865.8628	07:24	metal loss	YES	8	0.87	0.59		530	0.344	1.18	
1398.12			865.8636	07:58	metal loss	YES	6	0.55	0.71		530	0.344	1.17	
1398.17			865.8689	08:18	metal loss	YES	10	4.61	0.71		530	0.344	1.12	
1398.18			865.8700	08:55	metal loss	YES	5	0.55	0.91		530	0.344	1.11	
1398.20			865.8724	07:48	metal loss	YES	6	4.21	2.32		530	0.344	1.09	
1398.20			865.8729	09:48	metal loss	YES	6	0.43	0.71		530	0.344	1.09	
1398.21			865.8737	08:45	metal loss	YES	5	3.50	2.84		530	0.344	1.08	
1398.21			865.8737	09:37	metal loss	YES	8	0.47	0.59		530	0.344	1.08	
1398.25			865.8782	09:13	metal loss	YES	9	2.95	0.71		530	0.344	1.04	
1398.27			865.8806	08:35	metal loss	YES	6	0.83	0.71		530	0.344	1.02	
1398.27			865.8807	07:28	metal loss	YES	9	2.68	1.22		530	0.344	1.02	
1398.29			865.8827	08:33	metal loss	YES	7	2.21	0.71		530	0.344	1.00	
1398.29			865.8830	09:43	metal loss	YES	6	0.59	0.71		530	0.344	0.99	
1398.30			865.8836	06:58	metal loss	YES	7	0.87	0.71		530	0.344	0.99	
1398.31			865.8843	08:38	metal loss	YES	6	2.36	0.71		530	0.344	0.98	
1398.31			865.8851	06:48	metal loss	YES	7	0.63	0.71		530	0.344	0.98	
1398.31			865.8852	09:33	metal loss	YES	7	0.63	0.71		530	0.344	0.97	
1398.36			865.8903	09:43	metal loss	YES	7	0.47	0.71		530	0.344	0.93	
1398.36			865.8907	09:22	metal loss	YES	7	0.79	0.71		530	0.344	0.93	
1398.37			865.8910	09:33	metal loss	YES	5	0.71	0.71		530	0.344	0.92	
1398.41			865.8961	07:08	metal loss	YES	11	0.63	0.55		530	0.344	0.88	
1398.45			865.9003	09:53	metal loss	YES	8	0.51	0.71		530	0.344	0.84	
1398.71			865.9294	08:22	Cluster	YES	10	8.11	17.45		530	0.344	0.58	
1398.71			865.9294	09:13	metal loss	YES	9	0.47	0.71		530	0.344	0.58	
1398.71			865.9296	02:13	Cluster	YES	12	6.70	10.33		530	0.344	0.58	
1398.71			865.9296	03:33	metal loss	YES	5	1.58	0.71		530	0.344	0.58	
1398.73			865.9318	05:53	Cluster	YES	13	7.19	5.91		530	0.344	0.56	
1398.73			865.9318	06:08	metal loss	YES	7	2.36	0.71		530	0.344	0.56	

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24" LAS FLORES TO GAVIOTA

ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1398.76			865.9348	09:53	metal loss	YES	8	0.39	0.71		530	0.344	0.53	
1398.77			865.9362	05:58	metal loss	YES	7	2.09	0.71		530	0.344	0.52	
1398.80			865.9390	09:38	metal loss	YES	5	0.39	0.71		530	0.344	0.49	
1398.80			865.9394	08:38	metal loss	YES	5	1.81	0.71		530	0.344	0.49	
1398.82			865.9420	08:50	metal loss	YES	9	0.43	0.55		530	0.344	0.47	
1398.84			865.9434	10:08	metal loss	YES	5	0.39	0.71		530	0.344	0.45	
1398.84			865.9437	10:55	metal loss	YES	5	6.58	1.34		530	0.344	0.45	
1398.84			865.9439	03:19	metal loss	YES	6	0.51	0.59		530	0.344	0.45	
1398.84			865.9440	02:53	metal loss	YES	5	2.13	0.71		530	0.344	0.45	
1398.84			865.9442	08:22	metal loss	YES	7	0.91	0.94		530	0.344	0.45	
1398.85			865.9450	09:13	metal loss	YES	5	0.39	0.71		530	0.344	0.44	
1398.86			865.9464	09:43	metal loss	YES	5	0.47	0.71		530	0.344	0.43	
1398.87			865.9472	08:43	metal loss	YES	6	0.63	0.71		530	0.344	0.42	
1398.87			865.9477	09:18	metal loss	YES	5	0.39	0.71		530	0.344	0.41	
1398.88			865.9483	03:39	metal loss	YES	6	0.71	1.30		530	0.344	0.41	
1398.88			865.9486	02:31	metal loss	YES	5	1.26	0.55		530	0.344	0.41	
1398.89			865.9491	02:48	metal loss	YES	8	2.24	0.98		530	0.344	0.40	
1398.89			865.9499	08:56	metal loss	YES	5	0.71	1.06		530	0.344	0.39	
1398.90			865.9509	02:13	metal loss	YES	5	0.51	0.71		530	0.344	0.39	
1398.91			865.9516	08:58	metal loss	YES	9	3.54	0.71		530	0.344	0.38	
1398.91			865.9518	09:13	metal loss	YES	5	1.42	0.71		530	0.344	0.38	
1398.92			865.9530	03:03	metal loss	YES	6	0.47	0.71		530	0.344	0.37	
1398.94			865.9546	09:21	metal loss	YES	6	0.71	0.71		530	0.344	0.35	
1398.94			865.9553	09:48	metal loss	YES	6	0.39	0.71		530	0.344	0.35	
1398.94			865.9556	08:43	metal loss	YES	5	0.71	0.71		530	0.344	0.34	
1398.95			865.9566	08:53	metal loss	YES	6	0.94	0.71		530	0.344	0.34	
1398.96			865.9570	03:33	metal loss	YES	7	0.63	0.71		530	0.344	0.33	
1398.96			865.9576	09:03	metal loss	YES	5	0.91	0.71		530	0.344	0.33	
1398.97			865.9579	02:28	metal loss	YES	5	1.38	0.71		530	0.344	0.32	
1398.98			865.9591	03:13	metal loss	YES	8	0.79	0.71		530	0.344	0.31	
1398.98			865.9593	09:33	metal loss	YES	6	0.67	0.71		530	0.344	0.31	
1399.01			865.9628	10:19	metal loss	YES	9	2.64	0.91		530	0.344	0.28	

Client Plains All American
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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1399.01			865.9630	09:48	metal loss	YES	10	2.21	0.87		530	0.344	0.28	
1399.01			865.9631	05:53	metal loss	YES	13	3.82	0.83		530	0.344	0.28	
1399.02			865.9641	03:07	metal loss	YES	8	2.99	0.94		530	0.344	0.27	
1399.03			865.9646	10:04	metal loss	YES	10	1.97	0.83		530	0.344	0.26	
1399.03			865.9649	09:41	metal loss	YES	9	1.93	0.55		530	0.344	0.26	
1399.03			865.9655	03:19	metal loss	YES	9	2.21	0.87		530	0.344	0.25	
1399.04			865.9664	10:05	metal loss	YES	6	0.39	0.71		530	0.344	0.25	
1399.05			865.9674	06:23	metal loss	YES	5	0.94	0.71		530	0.344	0.24	
1399.05			865.9676	09:28	metal loss	YES	5	0.94	0.71		530	0.344	0.24	
1399.06			865.9689	05:53	metal loss	YES	7	1.61	0.71		530	0.344	0.22	
1399.09			865.9715	10:38	metal loss	YES	7	1.81	1.06		530	0.344	0.20	
1399.09			865.9718	02:43	metal loss	YES	12	1.81	0.98		530	0.344	0.20	
1399.09			865.9721	06:31	metal loss	YES	6	0.94	0.59		530	0.344	0.20	
1399.11			865.9738	09:23	metal loss	YES	6	0.94	0.71		530	0.344	0.18	
1399.14			865.9771	06:11	metal loss	YES	5	1.18	0.71		530	0.344	0.15	
1399.15			865.9787	08:58	metal loss	YES	6	0.63	0.71		530	0.344	0.14	
1399.16			865.9791	03:13	metal loss	YES	7	0.79	0.71		530	0.344	0.13	
1399.16			865.9795	06:43	metal loss	YES	5	0.94	0.71		530	0.344	0.13	
1399.16			865.9800	10:18	metal loss	YES	6	0.94	0.71		530	0.344	0.13	
1399.17			865.9804	09:43	metal loss	YES	6	0.51	0.71		530	0.344	0.12	
1399.35			866.0009	01:53	Cluster	YES	11	5.58	13.26		540	0.344	-0.06	
1399.35			866.0009	03:28	metal loss	YES	5	0.51	0.71		540	0.344	-0.06	
1399.37			866.0027	02:23	metal loss	YES	6	1.89	0.71		540	0.344	-0.08	
1399.37			866.0028	03:16	metal loss	YES	6	0.98	0.55		540	0.344	-0.08	
1399.38			866.0043	02:03	metal loss	YES	5	0.59	0.71		540	0.344	-0.09	
1399.39			866.0051	01:53	metal loss	YES	7	0.51	0.71		540	0.344	-0.10	
1399.40			866.0059	02:53	metal loss	YES	5	0.47	0.71		540	0.344	-0.11	
1399.43			866.0091	03:08	metal loss	YES	7	0.51	0.71		540	0.344	-0.14	
1399.43			866.0100	02:08	metal loss	YES	8	0.55	0.98		540	0.344	-0.14	
1399.48			866.0155	03:36	metal loss	YES	6	0.63	0.79		540	0.344	-0.19	
1399.51			866.0191	03:53	metal loss	YES	6	0.98	0.71		540	0.344	-0.22	
1399.53			866.0213	03:00	metal loss	YES	7	0.67	0.67		540	0.344	-0.25	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1399.56			866.0241	03:39	metal loss	YES	11	0.98	0.59		540	0.344	-0.27	
1399.58			866.0264	02:43	metal loss	YES	5	0.87	1.02		540	0.344	-0.29	
1399.62			866.0313	02:23	metal loss	YES	7	0.47	0.71		540	0.344	-0.34	
1399.71			866.0405	02:43	metal loss	YES	5	0.43	0.71		540	0.344	-0.42	
1399.71			866.0409	03:08	metal loss	YES	6	0.43	0.71		540	0.344	-0.42	
1399.78			866.0492	02:38	metal loss	YES	5	0.39	0.98		540	0.344	-0.50	
1399.82			866.0529	03:43	metal loss	YES	5	0.83	0.71		540	0.344	-0.53	
1399.82			866.0529	01:48	Cluster	YES	10	12.95	14.68		540	0.344	-0.53	
1399.85			866.0567	03:26	metal loss	YES	5	0.43	0.59		540	0.344	-0.56	
1399.93			866.0651	03:13	metal loss	YES	5	0.47	0.71		540	0.344	-0.64	
1399.95			866.0673	04:03	metal loss	YES	5	1.22	0.55		540	0.344	-0.66	
1399.99			866.0717	02:23	metal loss	YES	5	0.55	0.71		540	0.344	-0.70	
1399.99			866.0718	02:43	metal loss	YES	5	0.51	0.71		540	0.344	-0.70	
1399.99			866.0720	02:53	metal loss	YES	6	0.43	0.71		540	0.344	-0.70	
1400.02			866.0759	03:23	metal loss	YES	5	0.71	0.71		540	0.344	-0.73	
1400.05			866.0784	02:28	metal loss	YES	5	0.39	0.71		540	0.344	-0.76	
1400.06			866.0803	03:01	metal loss	YES	5	0.55	1.18		540	0.344	-0.77	
1400.09			866.0837	03:26	metal loss	YES	6	0.59	0.55		540	0.344	-0.80	
1400.13			866.0872	02:23	metal loss	YES	6	0.55	0.71		540	0.344	-0.84	
1400.13			866.0875	02:13	metal loss	YES	7	0.51	0.71		540	0.344	-0.84	
1400.14			866.0886	03:15	metal loss	YES	6	0.71	0.59		540	0.344	-0.85	
1400.15			866.0902	02:45	metal loss	YES	5	0.39	0.75		540	0.344	-0.86	
1400.17			866.0919	01:48	metal loss	YES	5	0.47	0.71		540	0.344	-0.88	
1400.18			866.0934	03:03	metal loss	YES	7	0.94	0.55		540	0.344	-0.89	
1400.21			866.0972	03:38	metal loss	YES	5	0.51	0.71		540	0.344	-0.92	
1400.22			866.0983	02:28	metal loss	YES	6	0.43	0.71		540	0.344	-0.93	
1400.24			866.1006	02:47	metal loss	YES	8	0.59	0.59		540	0.344	-0.96	
1400.29			866.1054	03:33	metal loss	YES	7	0.63	0.59		540	0.344	-1.00	
1400.35			866.1123	03:08	metal loss	YES	6	0.47	0.71		540	0.344	-1.06	
1400.37			866.1147	02:53	metal loss	YES	9	0.63	0.71		540	0.344	-1.08	
1400.39			866.1167	02:41	metal loss	YES	10	0.51	0.55		540	0.344	-1.10	
1400.42			866.1203	03:03	metal loss	YES	5	0.51	0.71		540	0.344	-1.13	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)	(b) (7)(F)	ft				%	in	in			in	ft	%
1400.53	(b) (7)(F)	(b) (7)(F)	866.1328	03:20	metal loss	YES	5	0.71	0.98		540	0.344	-1.24	
1400.55	(b) (7)(F)	(b) (7)(F)	866.1350	03:08	metal loss	YES	6	0.51	0.71		540	0.344	-1.26	
1400.56	(b) (7)(F)	(b) (7)(F)	866.1362	01:53	metal loss	YES	5	0.47	0.71		540	0.344	-1.28	
1400.56	(b) (7)(F)	(b) (7)(F)	866.1362	02:52	metal loss	YES	5	0.55	0.98		540	0.344	-1.28	
1400.59	(b) (7)(F)	(b) (7)(F)	866.1386	02:18	metal loss	YES	5	0.43	0.71		540	0.344	-1.30	
1400.65	(b) (7)(F)	(b) (7)(F)	866.1459	01:53	metal loss	YES	6	0.59	0.59		540	0.344	-1.36	
1400.67	(b) (7)(F)	(b) (7)(F)	866.1476	03:22	metal loss	YES	8	0.63	0.79		540	0.344	-1.38	
1400.68	(b) (7)(F)	(b) (7)(F)	866.1487	02:36	metal loss	YES	8	0.51	0.59		540	0.344	-1.39	
1400.68	(b) (7)(F)	(b) (7)(F)	866.1489	02:53	metal loss	YES	5	0.63	0.71		540	0.344	-1.39	
1400.69	(b) (7)(F)	(b) (7)(F)	866.1502	03:03	metal loss	YES	6	0.51	0.71		540	0.344	-1.40	
1400.78	(b) (7)(F)	(b) (7)(F)	866.1603	01:58	metal loss	YES	5	0.55	0.71		540	0.344	-1.49	
1400.80	(b) (7)(F)	(b) (7)(F)	866.1622	03:04	metal loss	YES	6	0.79	0.83		540	0.344	-1.51	
1400.85	(b) (7)(F)	(b) (7)(F)	866.1681	02:53	metal loss	YES	6	0.55	0.71		540	0.344	-1.56	
1404.28	(b) (7)(F)	(b) (7)(F)	866.5504	02:43	Cluster	YES	10	1.58	6.47		540	0.344	-4.99	
1404.28	(b) (7)(F)	(b) (7)(F)	866.5504	02:58	metal loss	YES	6	0.67	0.55		540	0.344	-4.99	
1404.33	(b) (7)(F)	(b) (7)(F)	866.5568	03:38	metal loss	YES	5	0.67	0.71		540	0.344	-5.05	
1404.35	(b) (7)(F)	(b) (7)(F)	866.5590	03:23	metal loss	YES	10	0.59	0.55		540	0.344	-5.07	
1404.36	(b) (7)(F)	(b) (7)(F)	866.5600	02:43	metal loss	YES	5	0.55	0.71		540	0.344	-5.07	
1404.92	(b) (7)(F)	(b) (7)(F)	866.6216	08:38	metal loss	YES	11	0.59	0.55		540	0.344	-5.63	
1404.92	(b) (7)(F)	(b) (7)(F)	866.6216	08:30	Cluster	YES	11	3.47	2.81		540	0.344	-5.63	
1404.95	(b) (7)(F)	(b) (7)(F)	866.6254	08:52	metal loss	YES	5	0.55	0.55		540	0.344	-5.66	
1404.97	(b) (7)(F)	(b) (7)(F)	866.6281	09:23	metal loss	YES	5	0.51	0.71		540	0.344	-5.68	
1404.97	(b) (7)(F)	(b) (7)(F)	866.6281	08:38	Cluster	YES	10	6.19	10.12		540	0.344	-5.68	
1405.00	(b) (7)(F)	(b) (7)(F)	866.6306	09:33	metal loss	YES	6	0.47	0.71		540	0.344	-5.71	
1405.00	(b) (7)(F)	(b) (7)(F)	866.6306	08:41	metal loss	YES	5	0.83	1.06		540	0.344	-5.71	
1405.07	(b) (7)(F)	(b) (7)(F)	866.6389	09:31	metal loss	YES	5	0.63	0.59		540	0.344	-5.78	
1405.08	(b) (7)(F)	(b) (7)(F)	866.6401	09:13	metal loss	YES	5	0.51	0.71		540	0.344	-5.79	
1405.13	(b) (7)(F)	(b) (7)(F)	866.6455	08:30	metal loss	YES	6	0.91	0.98		540	0.344	-5.84	
1405.13	(b) (7)(F)	(b) (7)(F)	866.6455	09:14	metal loss	YES	6	0.63	0.71		540	0.344	-5.84	
1405.24	(b) (7)(F)	(b) (7)(F)	866.6575	10:08	metal loss	YES	5	0.39	0.71		540	0.344	-5.95	
1405.24	(b) (7)(F)	(b) (7)(F)	866.6582	09:33	metal loss	YES	5	0.47	0.71		540	0.344	-5.95	
1405.30	(b) (7)(F)	(b) (7)(F)	866.6640	08:38	metal loss	YES	9	0.63	0.55		540	0.344	-6.01	

Client Plains All American
 ROSEN Proj. No. 0-1000-10908
 Inspection Type EGP, CDG
 Inspection Date: June 19 2007
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24" LAS FLORES TO GAVIOTA

ROSOFT Anomaly

Inspection Technologies
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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)	(b) (7)(F)	ft				%	in	in			in	ft	%
1405.30	(b) (7)(F)	(b) (7)(F)	866.6641	09:18	metal loss	YES	7	0.51	0.71		540	0.344	-6.01	
1405.31	(b) (7)(F)	(b) (7)(F)	866.6660	09:41	metal loss	YES	10	0.63	0.59		540	0.344	-6.02	
1405.32	(b) (7)(F)	(b) (7)(F)	866.6669	08:52	metal loss	YES	5	0.63	0.75		540	0.344	-6.03	
1405.33	(b) (7)(F)	(b) (7)(F)	866.6674	09:58	metal loss	YES	9	0.55	0.71		540	0.344	-6.04	
1405.44	(b) (7)(F)	(b) (7)(F)	866.6805	09:16	metal loss	YES	7	0.55	0.55		540	0.344	-6.15	
1406.04	(b) (7)(F)	(b) (7)(F)	866.7475	10:11	metal loss	YES	10	0.51	0.59		540	0.344	-6.75	
1406.04	(b) (7)(F)	(b) (7)(F)	866.7475	09:15	Cluster	YES	10	5.17	8.04		540	0.344	-6.75	
1406.14	(b) (7)(F)	(b) (7)(F)	866.7586	09:44	metal loss	YES	7	0.51	0.59		540	0.344	-6.85	
1406.16	(b) (7)(F)	(b) (7)(F)	866.7605	09:55	metal loss	YES	5	0.43	0.71		540	0.344	-6.87	
1406.24	(b) (7)(F)	(b) (7)(F)	866.7699	09:15	metal loss	YES	6	0.39	0.71		540	0.344	-6.95	
1406.25	(b) (7)(F)	(b) (7)(F)	866.7701	09:45	metal loss	YES	7	0.39	0.55		540	0.344	-6.96	
1406.29	(b) (7)(F)	(b) (7)(F)	866.7749	09:15	metal loss	YES	6	0.51	0.71		540	0.344	-7.00	
1406.29	(b) (7)(F)	(b) (7)(F)	866.7751	09:38	metal loss	YES	5	0.43	0.55		540	0.344	-7.00	
1406.30	(b) (7)(F)	(b) (7)(F)	866.7763	10:10	metal loss	YES	5	0.39	0.71		540	0.344	-7.01	
1406.36	(b) (7)(F)	(b) (7)(F)	866.7829	09:45	metal loss	YES	5	0.51	0.71		540	0.344	-7.07	
1406.39	(b) (7)(F)	(b) (7)(F)	866.7858	10:25	metal loss	YES	5	0.35	0.71		540	0.344	-7.10	
1406.41	(b) (7)(F)	(b) (7)(F)	866.7884	10:15	metal loss	YES	5	0.47	0.71		540	0.344	-7.12	
1406.42	(b) (7)(F)	(b) (7)(F)	866.7893	10:00	metal loss	YES	5	0.67	0.71		540	0.344	-7.13	
1406.96	(b) (7)(F)	(b) (7)(F)	866.8492	08:23	Cluster	YES	10	17.59	13.24		540	0.344	-7.67	
1406.96	(b) (7)(F)	(b) (7)(F)	866.8492	09:43	metal loss	YES	6	0.47	0.71		540	0.344	-7.67	
1406.96	(b) (7)(F)	(b) (7)(F)	866.8499	09:18	metal loss	YES	6	0.63	0.71		540	0.344	-7.67	
1406.97	(b) (7)(F)	(b) (7)(F)	866.8511	09:08	metal loss	YES	5	0.51	0.71		540	0.344	-7.69	
1407.00	(b) (7)(F)	(b) (7)(F)	866.8543	08:53	metal loss	YES	5	0.55	0.71		540	0.344	-7.71	
1407.02	(b) (7)(F)	(b) (7)(F)	866.8566	09:58	metal loss	YES	6	0.55	0.71		540	0.344	-7.73	
1407.04	(b) (7)(F)	(b) (7)(F)	866.8581	09:11	metal loss	YES	7	0.43	0.55		540	0.344	-7.75	
1407.06	(b) (7)(F)	(b) (7)(F)	866.8602	10:23	metal loss	YES	5	0.47	0.71		540	0.344	-7.77	
1407.06	(b) (7)(F)	(b) (7)(F)	866.8610	08:23	metal loss	YES	5	0.98	0.55		540	0.344	-7.78	
1407.07	(b) (7)(F)	(b) (7)(F)	866.8611	09:23	metal loss	YES	6	0.43	0.71		540	0.344	-7.78	
1407.08	(b) (7)(F)	(b) (7)(F)	866.8624	08:53	metal loss	YES	5	0.59	0.71		540	0.344	-7.79	
1407.08	(b) (7)(F)	(b) (7)(F)	866.8629	08:43	metal loss	YES	6	0.51	0.71		540	0.344	-7.79	
1407.12	(b) (7)(F)	(b) (7)(F)	866.8673	09:18	metal loss	YES	5	1.30	0.71		540	0.344	-7.83	
1407.12	(b) (7)(F)	(b) (7)(F)	866.8676	09:38	metal loss	YES	7	0.59	1.14		540	0.344	-7.83	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)	(b) (7)(F)	ft				%	in	in			in	ft	%
1407.14	(b) (7)(F)	(b) (7)(F)	866.8689	10:13	metal loss	YES	7	0.47	0.71		540	0.344	-7.85	
1407.18	(b) (7)(F)	(b) (7)(F)	866.8740	10:11	metal loss	YES	6	0.51	0.83		540	0.344	-7.89	
1407.26	(b) (7)(F)	(b) (7)(F)	866.8822	09:53	metal loss	YES	5	0.39	0.71		540	0.344	-7.97	
1407.28	(b) (7)(F)	(b) (7)(F)	866.8849	09:43	metal loss	YES	5	0.51	0.71		540	0.344	-7.99	
1407.34	(b) (7)(F)	(b) (7)(F)	866.8913	09:03	metal loss	YES	5	0.43	0.71		540	0.344	-8.05	
1407.36	(b) (7)(F)	(b) (7)(F)	866.8938	09:13	metal loss	YES	7	0.55	0.71		540	0.344	-8.07	
1407.36	(b) (7)(F)	(b) (7)(F)	866.8940	09:23	metal loss	YES	5	0.51	0.71		540	0.344	-8.07	
1407.39	(b) (7)(F)	(b) (7)(F)	866.8973	09:43	metal loss	YES	5	0.47	0.71		540	0.344	-8.10	
1407.39	(b) (7)(F)	(b) (7)(F)	866.8975	10:07	metal loss	YES	5	0.35	0.55		540	0.344	-8.10	
1407.43	(b) (7)(F)	(b) (7)(F)	866.9019	08:48	metal loss	YES	8	0.47	0.71		540	0.344	-8.14	
1407.48	(b) (7)(F)	(b) (7)(F)	866.9074	09:48	metal loss	YES	5	1.22	0.55		540	0.344	-8.19	
1407.49	(b) (7)(F)	(b) (7)(F)	866.9083	09:18	metal loss	YES	7	0.47	0.55		540	0.344	-8.20	
1407.51	(b) (7)(F)	(b) (7)(F)	866.9104	10:08	metal loss	YES	10	0.51	0.71		540	0.344	-8.22	
1407.51	(b) (7)(F)	(b) (7)(F)	866.9108	08:48	metal loss	YES	5	0.55	0.71		540	0.344	-8.22	
1407.52	(b) (7)(F)	(b) (7)(F)	866.9120	09:43	metal loss	YES	6	0.59	0.71		540	0.344	-8.23	
1407.54	(b) (7)(F)	(b) (7)(F)	866.9140	08:58	metal loss	YES	5	0.47	0.71		540	0.344	-8.25	
1407.55	(b) (7)(F)	(b) (7)(F)	866.9145	09:33	metal loss	YES	5	0.51	0.71		540	0.344	-8.26	
1407.62	(b) (7)(F)	(b) (7)(F)	866.9232	09:48	metal loss	YES	10	0.51	0.71		540	0.344	-8.34	
1407.66	(b) (7)(F)	(b) (7)(F)	866.9273	09:13	metal loss	YES	6	0.55	0.71		540	0.344	-8.37	
1407.72	(b) (7)(F)	(b) (7)(F)	866.9339	09:48	metal loss	YES	5	0.43	0.71		540	0.344	-8.43	
1407.76	(b) (7)(F)	(b) (7)(F)	866.9378	10:23	metal loss	YES	6	0.47	0.71		540	0.344	-8.47	
1407.76	(b) (7)(F)	(b) (7)(F)	866.9380	10:09	metal loss	YES	7	0.43	0.59		540	0.344	-8.47	
1407.81	(b) (7)(F)	(b) (7)(F)	866.9443	09:58	metal loss	YES	5	0.47	0.71		540	0.344	-8.53	
1407.82	(b) (7)(F)	(b) (7)(F)	866.9449	09:13	metal loss	YES	5	0.51	0.71		540	0.344	-8.53	
1407.86	(b) (7)(F)	(b) (7)(F)	866.9490	09:29	metal loss	YES	7	0.55	0.59		540	0.344	-8.57	
1407.89	(b) (7)(F)	(b) (7)(F)	866.9521	09:48	metal loss	YES	5	0.39	0.71		540	0.344	-8.60	
1407.91	(b) (7)(F)	(b) (7)(F)	866.9545	09:13	metal loss	YES	5	0.55	0.71		540	0.344	-8.62	
1407.94	(b) (7)(F)	(b) (7)(F)	866.9581	10:18	metal loss	YES	5	0.43	0.71		540	0.344	-8.65	
1407.95	(b) (7)(F)	(b) (7)(F)	866.9590	10:08	metal loss	YES	5	0.43	0.71		540	0.344	-8.66	
1408.04	(b) (7)(F)	(b) (7)(F)	866.9697	10:03	metal loss	YES	6	0.47	0.71		540	0.344	-8.75	
1408.08	(b) (7)(F)	(b) (7)(F)	866.9738	10:18	metal loss	YES	7	0.47	0.71		540	0.344	-8.79	
1408.12	(b) (7)(F)	(b) (7)(F)	866.9781	09:53	metal loss	YES	6	0.47	0.71		540	0.344	-8.83	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)	(b) (7)(F)	ft				%	in	in			in	ft	%
1408.13	(b) (7)(F)	(b) (7)(F)	866.9789	09:33	metal loss	YES	5	0.47	0.71		540	0.344	-8.84	
1408.15	(b) (7)(F)	(b) (7)(F)	866.9812	10:24	metal loss	YES	6	0.43	0.59		540	0.344	-8.86	
1408.18	(b) (7)(F)	(b) (7)(F)	866.9848	09:48	metal loss	YES	5	0.51	0.71		540	0.344	-8.89	
1408.20	(b) (7)(F)	(b) (7)(F)	866.9868	08:33	metal loss	YES	5	0.94	0.59		540	0.344	-8.91	
1408.22	(b) (7)(F)	(b) (7)(F)	866.9898	08:52	metal loss	YES	5	0.47	1.10		540	0.344	-8.93	
1408.24	(b) (7)(F)	(b) (7)(F)	866.9919	09:13	metal loss	YES	7	0.51	0.55		540	0.344	-8.95	
1408.26	(b) (7)(F)	(b) (7)(F)	866.9939	09:46	metal loss	YES	6	0.39	0.71		540	0.344	-8.97	
1408.27	(b) (7)(F)	(b) (7)(F)	866.9945	09:20	metal loss	YES	5	0.47	0.71		540	0.344	-8.98	
1408.30	(b) (7)(F)	(b) (7)(F)	866.9979	10:00	metal loss	YES	6	0.47	0.71		540	0.344	-9.01	
1408.33	(b) (7)(F)	(b) (7)(F)	867.0014	09:40	metal loss	YES	6	0.51	0.71		540	0.344	-9.04	
1408.33	(b) (7)(F)	(b) (7)(F)	867.0018	08:40	metal loss	YES	5	1.10	0.71		540	0.344	-9.04	
1408.37	(b) (7)(F)	(b) (7)(F)	867.0058	09:50	metal loss	YES	5	0.43	0.71		540	0.344	-9.08	
1408.53	(b) (7)(F)	(b) (7)(F)	867.0232	08:39	Cluster	YES	10	9.12	11.21		540	0.344	-9.24	
1408.53	(b) (7)(F)	(b) (7)(F)	867.0232	09:43	metal loss	YES	5	0.67	0.59		540	0.344	-9.24	
1408.66	(b) (7)(F)	(b) (7)(F)	867.0382	10:04	metal loss	YES	6	0.47	0.71		540	0.344	-9.37	
1408.67	(b) (7)(F)	(b) (7)(F)	867.0388	09:55	metal loss	YES	7	0.63	0.71		540	0.344	-9.38	
1408.68	(b) (7)(F)	(b) (7)(F)	867.0401	09:40	metal loss	YES	6	0.51	0.71		540	0.344	-9.39	
1408.70	(b) (7)(F)	(b) (7)(F)	867.0422	08:55	metal loss	YES	5	0.67	0.71		540	0.344	-9.41	
1408.71	(b) (7)(F)	(b) (7)(F)	867.0443	08:43	metal loss	YES	5	0.43	0.59		540	0.344	-9.43	
1408.72	(b) (7)(F)	(b) (7)(F)	867.0444	09:10	metal loss	YES	6	0.71	0.71		540	0.344	-9.43	
1408.72	(b) (7)(F)	(b) (7)(F)	867.0444	09:20	metal loss	YES	7	0.67	0.71		540	0.344	-9.43	
1408.76	(b) (7)(F)	(b) (7)(F)	867.0495	10:20	metal loss	YES	5	0.51	0.71		540	0.344	-9.47	
1408.81	(b) (7)(F)	(b) (7)(F)	867.0552	09:25	metal loss	YES	5	0.55	0.71		540	0.344	-9.52	
1408.82	(b) (7)(F)	(b) (7)(F)	867.0556	09:15	metal loss	YES	6	0.51	0.71		540	0.344	-9.53	
1408.91	(b) (7)(F)	(b) (7)(F)	867.0659	09:20	metal loss	YES	5	0.55	0.71		540	0.344	-9.62	
1408.95	(b) (7)(F)	(b) (7)(F)	867.0704	09:43	metal loss	YES	7	0.47	0.55		540	0.344	-9.66	
1408.98	(b) (7)(F)	(b) (7)(F)	867.0736	08:44	metal loss	YES	6	0.59	0.59		540	0.344	-9.69	
1409.05	(b) (7)(F)	(b) (7)(F)	867.0812	09:15	metal loss	YES	5	0.47	0.71		540	0.344	-9.76	
1409.07	(b) (7)(F)	(b) (7)(F)	867.0836	08:40	metal loss	YES	5	1.30	0.55		540	0.344	-9.78	
1409.07	(b) (7)(F)	(b) (7)(F)	867.0837	09:45	metal loss	YES	6	0.51	0.71		540	0.344	-9.78	
1409.09	(b) (7)(F)	(b) (7)(F)	867.0856	10:10	metal loss	YES	6	0.55	0.71		540	0.344	-9.80	
1409.09	(b) (7)(F)	(b) (7)(F)	867.0860	09:56	metal loss	YES	10	0.55	0.59		540	0.344	-9.80	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)	(b) (7)(F)	ft				%	in	in			in	ft	%
1409.11	(b) (7)(F)	(b) (7)(F)	867.0878	09:25	metal loss	YES	6	0.47	0.59		540	0.344	-9.82	
1409.11	(b) (7)(F)	(b) (7)(F)	867.0880	08:50	metal loss	YES	5	0.51	0.71		540	0.344	-9.82	
1409.15	(b) (7)(F)	(b) (7)(F)	867.0924	02:50	metal loss	YES	5	0.51	0.71		540	0.344	-9.86	
1409.15	(b) (7)(F)	(b) (7)(F)	867.0924	02:10	Cluster	YES	10	6.43	5.91		540	0.344	-9.86	
1409.18	(b) (7)(F)	(b) (7)(F)	867.0956	02:25	metal loss	YES	6	0.39	0.71		540	0.344	-9.89	
1409.20	(b) (7)(F)	(b) (7)(F)	867.0981	02:15	metal loss	YES	5	0.47	0.71		540	0.344	-9.91	
1409.23	(b) (7)(F)	(b) (7)(F)	867.1013	08:39	metal loss	YES	6	0.67	0.79		540	0.344	-9.94	
1409.26	(b) (7)(F)	(b) (7)(F)	867.1052	02:51	metal loss	YES	5	0.59	0.98		540	0.344	-9.97	
1409.28	(b) (7)(F)	(b) (7)(F)	867.1073	02:10	metal loss	YES	6	0.51	0.71		540	0.344	-9.99	
1409.30	(b) (7)(F)	(b) (7)(F)	867.1087	02:22	metal loss	YES	10	0.55	0.55		540	0.344	-10.01	
1409.41	(b) (7)(F)	(b) (7)(F)	867.1215	02:40	metal loss	YES	5	0.43	0.71		540	0.344	-10.12	
1409.42	(b) (7)(F)	(b) (7)(F)	867.1224	02:13	metal loss	YES	5	0.39	0.59		540	0.344	-10.13	
1409.43	(b) (7)(F)	(b) (7)(F)	867.1231	02:26	metal loss	YES	5	0.39	0.71		540	0.344	-10.14	
1409.46	(b) (7)(F)	(b) (7)(F)	867.1267	03:00	metal loss	YES	5	0.51	0.71		540	0.344	-10.17	
1409.50	(b) (7)(F)	(b) (7)(F)	867.1312	02:20	metal loss	YES	6	0.51	0.71		540	0.344	-10.21	
1409.54	(b) (7)(F)	(b) (7)(F)	867.1363	02:44	metal loss	YES	6	0.39	0.75		540	0.344	-10.26	
1409.56	(b) (7)(F)	(b) (7)(F)	867.1381	02:15	metal loss	YES	5	0.35	0.71		540	0.344	-10.27	
1409.63	(b) (7)(F)	(b) (7)(F)	867.1456	02:30	metal loss	YES	5	0.47	0.71		540	0.344	-10.34	
1409.64	(b) (7)(F)	(b) (7)(F)	867.1472	02:40	metal loss	YES	5	0.51	0.71		540	0.344	-10.35	
1412.54	(b) (7)(F)	(b) (7)(F)	867.4690	09:50	metal loss	YES	8	0.43	0.71		540	0.344	-13.25	
1412.54	(b) (7)(F)	(b) (7)(F)	867.4690	08:51	Cluster	YES	11	18.37	11.52		540	0.344	-13.25	
1412.57	(b) (7)(F)	(b) (7)(F)	867.4719	09:40	metal loss	YES	5	0.59	0.71		540	0.344	-13.28	
1412.67	(b) (7)(F)	(b) (7)(F)	867.4827	09:45	metal loss	YES	9	0.47	0.71		540	0.344	-13.38	
1412.68	(b) (7)(F)	(b) (7)(F)	867.4838	09:15	metal loss	YES	5	0.87	0.71		540	0.344	-13.39	
1412.76	(b) (7)(F)	(b) (7)(F)	867.4936	09:55	metal loss	YES	6	0.59	0.55		540	0.344	-13.47	
1412.77	(b) (7)(F)	(b) (7)(F)	867.4948	09:45	metal loss	YES	7	0.55	0.71		540	0.344	-13.48	
1412.79	(b) (7)(F)	(b) (7)(F)	867.4963	09:25	metal loss	YES	5	0.39	0.71		540	0.344	-13.50	
1412.80	(b) (7)(F)	(b) (7)(F)	867.4973	09:10	metal loss	YES	5	0.51	0.55		540	0.344	-13.51	
1412.81	(b) (7)(F)	(b) (7)(F)	867.4991	10:05	metal loss	YES	6	0.51	0.71		540	0.344	-13.52	
1412.89	(b) (7)(F)	(b) (7)(F)	867.5076	08:51	metal loss	YES	5	0.63	0.98		540	0.344	-13.60	
1412.89	(b) (7)(F)	(b) (7)(F)	867.5082	09:05	metal loss	YES	6	0.51	0.71		540	0.344	-13.61	
1412.93	(b) (7)(F)	(b) (7)(F)	867.5118	09:58	metal loss	YES	6	0.55	0.94		540	0.344	-13.64	

Client Plains All American
 ROSEN Proj. No. 0-1000-10908
 Inspection Type EGP, CDG
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24" LAS FLORES TO GAVIOTA

ROSOFT Anomaly

Inspection Technologies
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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1412.97			867.5163	09:25	metal loss	YES	5	0.39	0.71		540	0.344	-13.68	
1412.98			867.5176	10:10	metal loss	YES	6	0.51	0.71		540	0.344	-13.69	
1413.00			867.5203	10:00	metal loss	YES	5	0.63	0.71		540	0.344	-13.71	
1413.02			867.5218	09:00	metal loss	YES	6	0.59	0.71		540	0.344	-13.73	
1413.04			867.5238	09:47	metal loss	YES	5	0.47	0.87		540	0.344	-13.75	
1413.04			867.5239	09:13	metal loss	YES	5	0.51	0.67		540	0.344	-13.75	
1413.10			867.5311	10:10	metal loss	YES	6	0.39	0.71		540	0.344	-13.81	
1413.15			867.5364	10:35	metal loss	YES	5	0.43	0.71		540	0.344	-13.86	
1413.19			867.5412	10:10	metal loss	YES	6	0.47	0.71		540	0.344	-13.90	
1413.21			867.5433	09:55	metal loss	YES	5	0.47	0.71		540	0.344	-13.92	
1413.28			867.5504	09:50	metal loss	YES	6	0.51	0.71		540	0.344	-13.99	
1413.28			867.5507	09:58	metal loss	YES	5	0.51	1.34		540	0.344	-13.99	
1413.38			867.5618	10:20	metal loss	YES	7	0.43	0.71		540	0.344	-14.09	
1413.41			867.5650	09:45	metal loss	YES	5	0.63	1.02		540	0.344	-14.12	
1413.42			867.5660	10:00	metal loss	YES	7	0.47	0.71		540	0.344	-14.13	
1413.46			867.5707	09:19	metal loss	YES	6	0.51	0.79		540	0.344	-14.17	
1413.47			867.5725	10:05	metal loss	YES	5	0.39	0.71		540	0.344	-14.18	
1413.49			867.5745	09:55	metal loss	YES	5	0.39	0.71		540	0.344	-14.20	
1413.60			867.5864	09:20	metal loss	YES	5	0.55	0.71		540	0.344	-14.31	
1413.61			867.5871	10:02	metal loss	YES	6	0.51	0.83		540	0.344	-14.32	
1413.64			867.5910	10:13	metal loss	YES	5	0.47	0.55		540	0.344	-14.35	
1413.70			867.5980	09:15	metal loss	YES	5	0.59	0.87		540	0.344	-14.41	
1413.73			867.6005	09:25	metal loss	YES	5	0.55	0.71		540	0.344	-14.44	
1413.74			867.6020	09:52	metal loss	YES	6	0.47	0.75		540	0.344	-14.45	
1413.74			867.6022	10:05	metal loss	YES	9	0.55	0.55		540	0.344	-14.45	
1413.74			867.6022	10:15	metal loss	YES	6	0.59	0.71		540	0.344	-14.45	
1413.80			867.6082	10:00	metal loss	YES	5	0.39	0.71		540	0.344	-14.51	
1413.83			867.6122	09:37	metal loss	YES	7	0.51	0.59		540	0.344	-14.54	
1413.84			867.6136	09:50	metal loss	YES	10	0.55	0.71		540	0.344	-14.56	
1413.92			867.6219	09:50	metal loss	YES	5	1.53	0.71		540	0.344	-14.63	
1413.93			867.6226	10:00	metal loss	YES	8	1.77	0.71		540	0.344	-14.64	
1413.97			867.6276	10:10	metal loss	YES	11	0.71	0.59		540	0.344	-14.68	

Client Plains All American
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24" LAS FLORES TO GAVIOTA

ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1414.03	(b) (7)(F)		867.6344	09:50	metal loss	YES	6	0.47	0.71		540	0.344	-14.74	
1415.09	(b) (7)(F)		867.7519	02:10	Cluster	YES	10	4.85	6.79		540	0.344	-15.80	
1415.09	(b) (7)(F)		867.7519	02:45	metal loss	YES	9	0.47	0.71		540	0.344	-15.80	
1415.09	(b) (7)(F)		867.7521	02:40	metal loss	YES	5	0.83	0.71		540	0.344	-15.80	
1415.18	(b) (7)(F)		867.7622	02:42	metal loss	YES	5	0.51	0.91		540	0.344	-15.89	
1415.28	(b) (7)(F)		867.7726	02:50	metal loss	YES	6	0.51	0.63		540	0.344	-15.99	
1415.32	(b) (7)(F)		867.7777	02:10	metal loss	YES	7	0.51	0.71		540	0.344	-16.03	
1415.36	(b) (7)(F)		867.7819	03:09	metal loss	YES	7	0.79	0.59		540	0.344	-16.07	
1415.38	(b) (7)(F)		867.7838	02:40	metal loss	YES	6	0.47	0.55		540	0.344	-16.09	
1415.42	(b) (7)(F)		867.7886	02:25	metal loss	YES	10	0.59	0.55		540	0.344	-16.13	
1415.46	(b) (7)(F)		867.7928	02:15	metal loss	YES	5	0.43	0.71		540	0.344	-16.17	
1419.21	(b) (7)(F)		868.2067	12:22	metal loss	YES	10	0.67	0.71		540	0.344	-19.92	
1419.48	(b) (7)(F)		868.2372	10:12	metal loss	YES	5	0.39	0.71		540	0.344	19.75	
1419.48	(b) (7)(F)		868.2372	08:29	Cluster	YES	12	33.85	14.64		540	0.344	19.75	
1419.49	(b) (7)(F)		868.2374	09:24	metal loss	YES	5	0.47	0.83		540	0.344	19.74	
1419.50	(b) (7)(F)		868.2387	10:02	metal loss	YES	5	0.55	0.71		540	0.344	19.73	
1419.51	(b) (7)(F)		868.2402	10:24	metal loss	YES	5	0.47	0.59		540	0.344	19.72	
1419.53	(b) (7)(F)		868.2416	09:47	metal loss	YES	7	0.47	0.71		540	0.344	19.71	
1419.53	(b) (7)(F)		868.2426	09:07	metal loss	YES	6	0.59	0.71		540	0.344	19.70	
1419.54	(b) (7)(F)		868.2434	09:17	metal loss	YES	6	0.59	0.71		540	0.344	19.69	
1419.56	(b) (7)(F)		868.2451	09:27	metal loss	YES	9	0.51	0.55		540	0.344	19.67	
1419.60	(b) (7)(F)		868.2499	08:29	metal loss	YES	5	0.98	0.75		540	0.344	19.63	
1419.61	(b) (7)(F)		868.2511	08:37	metal loss	YES	5	1.02	0.71		540	0.344	19.62	
1419.64	(b) (7)(F)		868.2546	09:42	metal loss	YES	6	0.55	0.71		540	0.344	19.59	
1419.64	(b) (7)(F)		868.2547	09:52	metal loss	YES	7	0.43	0.71		540	0.344	19.59	
1419.68	(b) (7)(F)		868.2592	10:37	metal loss	YES	5	0.47	0.71		540	0.344	19.55	
1419.70	(b) (7)(F)		868.2613	09:22	metal loss	YES	6	0.51	0.71		540	0.344	19.53	
1419.71	(b) (7)(F)		868.2615	09:47	metal loss	YES	5	0.39	0.71		540	0.344	19.53	
1419.72	(b) (7)(F)		868.2635	10:22	metal loss	YES	6	0.47	0.71		540	0.344	19.51	
1419.73	(b) (7)(F)		868.2643	09:06	metal loss	YES	5	0.59	0.59		540	0.344	19.50	
1419.75	(b) (7)(F)		868.2666	08:42	metal loss	YES	5	0.67	0.71		540	0.344	19.48	
1419.75	(b) (7)(F)		868.2668	09:52	metal loss	YES	5	0.55	0.71		540	0.344	19.48	

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ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)	(b) (7)(F)	ft				%	in	in			in	ft	%
1419.76	(b) (7)(F)	(b) (7)(F)	868.2674	09:42	metal loss	YES	8	0.67	0.59		540	0.344	19.47	
1419.77	(b) (7)(F)	(b) (7)(F)	868.2682	08:52	metal loss	YES	5	0.67	0.75		540	0.344	19.46	
1419.78	(b) (7)(F)	(b) (7)(F)	868.2692	10:12	metal loss	YES	5	0.35	0.71		540	0.344	19.46	
1419.83	(b) (7)(F)	(b) (7)(F)	868.2753	09:17	metal loss	YES	5	0.59	0.71		540	0.344	19.40	
1419.83	(b) (7)(F)	(b) (7)(F)	868.2755	09:27	metal loss	YES	6	0.47	0.71		540	0.344	19.40	
1419.85	(b) (7)(F)	(b) (7)(F)	868.2771	10:12	metal loss	YES	5	0.39	0.71		540	0.344	19.38	
1419.95	(b) (7)(F)	(b) (7)(F)	868.2886	10:22	metal loss	YES	5	0.39	0.71		540	0.344	19.28	
1419.96	(b) (7)(F)	(b) (7)(F)	868.2895	09:17	metal loss	YES	5	0.51	0.71		540	0.344	19.27	
1419.97	(b) (7)(F)	(b) (7)(F)	868.2905	10:12	metal loss	YES	5	0.43	0.71		540	0.344	19.26	
1420.01	(b) (7)(F)	(b) (7)(F)	868.2951	09:57	metal loss	YES	5	0.47	0.71		540	0.344	19.22	
1420.03	(b) (7)(F)	(b) (7)(F)	868.2968	10:12	metal loss	YES	6	0.39	0.71		540	0.344	19.21	
1420.04	(b) (7)(F)	(b) (7)(F)	868.2978	10:02	metal loss	YES	6	0.43	0.71		540	0.344	19.20	
1420.05	(b) (7)(F)	(b) (7)(F)	868.2990	09:47	metal loss	YES	6	0.71	0.71		540	0.344	19.19	
1420.11	(b) (7)(F)	(b) (7)(F)	868.3056	10:09	metal loss	YES	5	0.43	0.63		540	0.344	19.13	
1420.12	(b) (7)(F)	(b) (7)(F)	868.3073	09:22	metal loss	YES	5	0.71	0.71		540	0.344	19.11	
1420.20	(b) (7)(F)	(b) (7)(F)	868.3157	10:02	metal loss	YES	5	0.63	0.71		540	0.344	19.03	
1420.24	(b) (7)(F)	(b) (7)(F)	868.3199	09:47	metal loss	YES	7	0.67	0.71		540	0.344	19.00	
1420.28	(b) (7)(F)	(b) (7)(F)	868.3243	10:02	metal loss	YES	7	0.51	0.55		540	0.344	18.96	
1420.38	(b) (7)(F)	(b) (7)(F)	868.3353	10:00	metal loss	YES	6	0.55	0.91		540	0.344	18.86	
1420.38	(b) (7)(F)	(b) (7)(F)	868.3356	09:47	metal loss	YES	6	0.55	0.71		540	0.344	18.85	
1420.42	(b) (7)(F)	(b) (7)(F)	868.3403	10:12	metal loss	YES	7	0.35	0.71		540	0.344	18.81	
1420.45	(b) (7)(F)	(b) (7)(F)	868.3439	09:22	metal loss	YES	5	0.75	0.63		540	0.344	18.78	
1420.52	(b) (7)(F)	(b) (7)(F)	868.3510	10:12	metal loss	YES	5	0.47	0.71		540	0.344	18.71	
1420.53	(b) (7)(F)	(b) (7)(F)	868.3524	10:02	metal loss	YES	5	0.39	0.71		540	0.344	18.70	
1420.59	(b) (7)(F)	(b) (7)(F)	868.3588	09:50	metal loss	YES	7	1.30	0.59		540	0.344	18.64	
1420.61	(b) (7)(F)	(b) (7)(F)	868.3610	09:28	metal loss	YES	5	0.43	0.75		540	0.344	18.62	
1420.61	(b) (7)(F)	(b) (7)(F)	868.3611	09:57	metal loss	YES	7	0.51	0.71		540	0.344	18.62	
1420.63	(b) (7)(F)	(b) (7)(F)	868.3631	10:07	metal loss	YES	5	0.43	0.71		540	0.344	18.60	
1420.66	(b) (7)(F)	(b) (7)(F)	868.3666	10:12	metal loss	YES	5	0.63	0.71		540	0.344	18.57	
1420.67	(b) (7)(F)	(b) (7)(F)	868.3677	10:02	metal loss	YES	6	0.39	0.71		540	0.344	18.56	
1420.73	(b) (7)(F)	(b) (7)(F)	868.3742	09:52	metal loss	YES	5	0.39	0.71		540	0.344	18.50	
1420.75	(b) (7)(F)	(b) (7)(F)	868.3767	10:07	metal loss	YES	6	0.39	0.71		540	0.344	18.48	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1420.79			868.3814	09:54	metal loss	YES	7	0.43	0.67		540	0.344	18.44	
1420.81			868.3827	09:02	metal loss	YES	5	0.51	0.71		540	0.344	18.43	
1420.82			868.3841	09:23	metal loss	YES	6	0.51	0.79		540	0.344	18.41	
1420.85			868.3880	10:12	metal loss	YES	7	0.35	0.71		540	0.344	18.38	
1420.86			868.3888	09:47	metal loss	YES	5	0.55	0.71		540	0.344	18.37	
1420.87			868.3902	08:37	metal loss	YES	5	0.63	0.71		540	0.344	18.36	
1420.89			868.3924	09:17	metal loss	YES	5	0.35	0.71		540	0.344	18.34	
1420.90			868.3934	10:22	metal loss	YES	5	0.39	0.71		540	0.344	18.33	
1420.93			868.3958	10:02	metal loss	YES	6	0.55	0.63		540	0.344	18.31	
1420.94			868.3973	09:47	metal loss	YES	5	0.55	0.71		540	0.344	18.29	
1420.97			868.4009	09:37	metal loss	YES	5	0.43	0.71		540	0.344	18.26	
1421.01			868.4056	09:27	metal loss	YES	5	0.67	0.71		540	0.344	18.22	
1421.03			868.4073	10:12	metal loss	YES	7	0.55	0.71		540	0.344	18.20	
1421.04			868.4079	10:02	metal loss	YES	7	0.47	0.71		540	0.344	18.20	
1421.06			868.4101	09:52	metal loss	YES	7	0.55	0.55		540	0.344	18.18	
1421.13			868.4186	09:49	metal loss	YES	8	0.43	0.83		540	0.344	18.10	
1421.14			868.4196	10:11	metal loss	YES	5	0.59	1.46		540	0.344	18.09	
1421.14			868.4197	09:03	metal loss	YES	5	0.83	0.79		540	0.344	18.09	
1421.24			868.4305	09:46	metal loss	YES	7	0.51	0.75		540	0.344	17.99	
1421.29			868.4355	09:57	metal loss	YES	6	0.47	0.71		540	0.344	17.95	
1421.29			868.4363	08:49	metal loss	YES	5	0.47	0.91		540	0.344	17.94	
1421.31			868.4386	09:37	metal loss	YES	6	0.55	0.71		540	0.344	17.92	
1421.32			868.4394	09:22	metal loss	YES	5	0.47	0.71		540	0.344	17.91	
1421.33			868.4402	10:12	metal loss	YES	5	0.51	0.71		540	0.344	17.90	
1421.35			868.4428	10:27	metal loss	YES	5	0.47	0.71		540	0.344	17.88	
1421.36			868.4434	09:14	metal loss	YES	6	0.55	0.63		540	0.344	17.88	
1421.36			868.4437	10:09	metal loss	YES	9	0.63	0.59		540	0.344	17.87	
1421.37			868.4449	09:47	metal loss	YES	7	0.55	0.71		540	0.344	17.86	
1421.38			868.4458	09:57	metal loss	YES	12	0.55	0.55		540	0.344	17.85	
1421.44			868.4528	10:42	metal loss	YES	5	0.39	0.71		540	0.344	17.79	
1421.53			868.4624	10:15	metal loss	YES	5	0.51	0.83		540	0.344	17.70	
1421.55			868.4642	09:42	metal loss	YES	7	0.55	0.71		540	0.344	17.69	

Client Plains All American
 ROSEN Proj. No. 0-1000-10908
 Inspection Type EGP, CDG
 Inspection Date: June 19 2007
 Report Date: August 15, 2007
 ROSEN Line Name: 24" LAS-GAV

24" LAS FLORES TO GAVIOTA

ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)	(b) (7)(F)	ft				%	in	in			in	ft	%
1421.55	(b) (7)(F)	(b) (7)(F)	868.4645	09:52	metal loss	YES	6	0.47	0.71		540	0.344	17.68	
1421.66	(b) (7)(F)	(b) (7)(F)	868.4771	10:07	metal loss	YES	5	0.39	0.71		540	0.344	17.57	
1421.67	(b) (7)(F)	(b) (7)(F)	868.4777	09:52	metal loss	YES	9	0.43	0.71		540	0.344	17.56	
1421.71	(b) (7)(F)	(b) (7)(F)	868.4824	09:07	metal loss	YES	5	0.47	0.71		540	0.344	17.52	
1421.73	(b) (7)(F)	(b) (7)(F)	868.4847	09:19	metal loss	YES	5	0.63	0.94		540	0.344	17.50	
1421.74	(b) (7)(F)	(b) (7)(F)	868.4853	09:42	metal loss	YES	6	0.43	0.71		540	0.344	17.49	
1421.76	(b) (7)(F)	(b) (7)(F)	868.4879	09:57	metal loss	YES	5	0.43	0.71		540	0.344	17.47	
1421.77	(b) (7)(F)	(b) (7)(F)	868.4886	08:52	metal loss	YES	5	0.63	0.71		540	0.344	17.46	
1421.83	(b) (7)(F)	(b) (7)(F)	868.4951	09:47	metal loss	YES	7	0.43	0.71		540	0.344	17.40	
1421.95	(b) (7)(F)	(b) (7)(F)	868.5082	09:22	metal loss	YES	6	0.47	0.71		540	0.344	17.29	
1421.95	(b) (7)(F)	(b) (7)(F)	868.5089	09:12	metal loss	YES	6	0.63	0.71		540	0.344	17.28	
1421.97	(b) (7)(F)	(b) (7)(F)	868.5104	10:07	metal loss	YES	8	0.59	0.71		540	0.344	17.27	
1421.97	(b) (7)(F)	(b) (7)(F)	868.5110	09:47	metal loss	YES	5	0.39	0.71		540	0.344	17.26	
1421.97	(b) (7)(F)	(b) (7)(F)	868.5114	10:17	metal loss	YES	5	0.59	0.71		540	0.344	17.26	
1422.07	(b) (7)(F)	(b) (7)(F)	868.5215	10:02	metal loss	YES	5	1.73	0.71		540	0.344	17.17	
1422.08	(b) (7)(F)	(b) (7)(F)	868.5228	09:57	metal loss	YES	6	0.51	0.71		540	0.344	17.15	
1422.08	(b) (7)(F)	(b) (7)(F)	868.5232	10:10	metal loss	YES	8	0.98	0.59		540	0.344	17.15	
1422.08	(b) (7)(F)	(b) (7)(F)	868.5234	09:02	metal loss	YES	5	1.06	0.71		540	0.344	17.15	
1422.14	(b) (7)(F)	(b) (7)(F)	868.5299	09:25	metal loss	YES	5	0.63	0.83		540	0.344	17.09	
1422.15	(b) (7)(F)	(b) (7)(F)	868.5302	09:47	metal loss	YES	5	0.47	0.71		540	0.344	17.09	
1422.16	(b) (7)(F)	(b) (7)(F)	868.5320	10:12	metal loss	YES	6	0.39	0.71		540	0.344	17.07	
1422.26	(b) (7)(F)	(b) (7)(F)	868.5431	10:22	metal loss	YES	5	0.51	0.71		540	0.344	16.97	
1423.37	(b) (7)(F)	(b) (7)(F)	868.6651	01:53	Cluster	YES	10	6.65	6.49		540	0.344	15.86	
1423.37	(b) (7)(F)	(b) (7)(F)	868.6651	02:30	metal loss	YES	5	0.51	1.46		540	0.344	15.86	
1423.45	(b) (7)(F)	(b) (7)(F)	868.6744	02:19	metal loss	YES	10	0.55	0.71		540	0.344	15.78	
1423.57	(b) (7)(F)	(b) (7)(F)	868.6874	02:24	metal loss	YES	7	0.55	0.71		540	0.344	15.66	
1423.58	(b) (7)(F)	(b) (7)(F)	868.6883	02:14	metal loss	YES	6	0.63	0.71		540	0.344	15.65	
1423.65	(b) (7)(F)	(b) (7)(F)	868.6954	01:53	metal loss	YES	5	0.51	0.59		540	0.344	15.59	
1423.65	(b) (7)(F)	(b) (7)(F)	868.6956	02:49	metal loss	YES	5	0.67	0.71		540	0.344	15.59	
1423.73	(b) (7)(F)	(b) (7)(F)	868.7053	02:22	metal loss	YES	6	0.55	0.75		540	0.344	15.50	
1423.77	(b) (7)(F)	(b) (7)(F)	868.7090	02:49	metal loss	YES	6	0.35	0.71		540	0.344	15.46	
1423.80	(b) (7)(F)	(b) (7)(F)	868.7129	02:29	metal loss	YES	5	0.35	0.71		540	0.344	15.43	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)	(b) (7)(F)	ft				%	in	in			in	ft	%
1423.88	(b) (7)(F)	(b) (7)(F)	868.7213	02:44	metal loss	YES	6	0.51	0.71		540	0.344	15.35	
1424.40	(b) (7)(F)	(b) (7)(F)	868.7783	08:42	Cluster	YES	11	37.40	13.43		540	0.344	14.83	
1424.40	(b) (7)(F)	(b) (7)(F)	868.7783	09:24	metal loss	YES	6	0.59	0.71		540	0.344	14.83	
1424.42	(b) (7)(F)	(b) (7)(F)	868.7812	10:39	metal loss	YES	7	0.47	0.55		540	0.344	14.81	
1424.45	(b) (7)(F)	(b) (7)(F)	868.7839	10:14	metal loss	YES	5	0.94	0.71		540	0.344	14.78	
1424.45	(b) (7)(F)	(b) (7)(F)	868.7845	10:24	metal loss	YES	5	0.55	0.55		540	0.344	14.78	
1424.45	(b) (7)(F)	(b) (7)(F)	868.7845	10:04	metal loss	YES	7	0.43	0.71		540	0.344	14.78	
1424.46	(b) (7)(F)	(b) (7)(F)	868.7850	09:44	metal loss	YES	5	0.51	0.71		540	0.344	14.77	
1424.52	(b) (7)(F)	(b) (7)(F)	868.7912	10:09	metal loss	YES	6	0.43	0.71		540	0.344	14.72	
1424.54	(b) (7)(F)	(b) (7)(F)	868.7937	09:22	metal loss	YES	5	0.55	0.83		540	0.344	14.69	
1424.56	(b) (7)(F)	(b) (7)(F)	868.7961	09:39	metal loss	YES	5	0.63	0.71		540	0.344	14.67	
1424.57	(b) (7)(F)	(b) (7)(F)	868.7972	09:58	metal loss	YES	7	0.63	0.75		540	0.344	14.66	
1424.65	(b) (7)(F)	(b) (7)(F)	868.8056	09:59	metal loss	YES	5	0.39	0.63		540	0.344	14.59	
1424.65	(b) (7)(F)	(b) (7)(F)	868.8064	09:44	metal loss	YES	5	0.47	0.71		540	0.344	14.58	
1424.70	(b) (7)(F)	(b) (7)(F)	868.8113	09:41	metal loss	YES	6	0.51	0.59		540	0.344	14.53	
1424.74	(b) (7)(F)	(b) (7)(F)	868.8163	09:49	metal loss	YES	5	0.39	0.71		540	0.344	14.49	
1424.76	(b) (7)(F)	(b) (7)(F)	868.8183	09:34	metal loss	YES	5	0.55	0.55		540	0.344	14.47	
1424.85	(b) (7)(F)	(b) (7)(F)	868.8284	09:54	metal loss	YES	8	0.47	0.55		540	0.344	14.38	
1424.93	(b) (7)(F)	(b) (7)(F)	868.8370	09:10	metal loss	YES	6	0.47	0.63		540	0.344	14.30	
1424.94	(b) (7)(F)	(b) (7)(F)	868.8384	09:29	metal loss	YES	6	0.51	0.71		540	0.344	14.29	
1424.97	(b) (7)(F)	(b) (7)(F)	868.8410	09:55	metal loss	YES	9	0.59	0.63		540	0.344	14.26	
1425.03	(b) (7)(F)	(b) (7)(F)	868.8479	09:19	metal loss	YES	7	0.63	0.71		540	0.344	14.20	
1425.05	(b) (7)(F)	(b) (7)(F)	868.8499	09:49	metal loss	YES	5	0.39	0.71		540	0.344	14.18	
1425.07	(b) (7)(F)	(b) (7)(F)	868.8525	10:14	metal loss	YES	7	0.43	0.71		540	0.344	14.16	
1425.14	(b) (7)(F)	(b) (7)(F)	868.8603	10:24	metal loss	YES	6	0.43	0.71		540	0.344	14.09	
1425.15	(b) (7)(F)	(b) (7)(F)	868.8607	09:49	metal loss	YES	6	0.51	0.98		540	0.344	14.09	
1425.18	(b) (7)(F)	(b) (7)(F)	868.8644	09:24	metal loss	YES	5	1.26	0.63		540	0.344	14.05	
1425.21	(b) (7)(F)	(b) (7)(F)	868.8677	09:37	metal loss	YES	5	0.63	0.71		540	0.344	14.02	
1425.21	(b) (7)(F)	(b) (7)(F)	868.8678	09:49	metal loss	YES	6	0.51	1.02		540	0.344	14.02	
1425.22	(b) (7)(F)	(b) (7)(F)	868.8685	10:12	metal loss	YES	5	0.47	0.98		540	0.344	14.01	
1425.27	(b) (7)(F)	(b) (7)(F)	868.8738	10:04	metal loss	YES	6	0.43	0.63		540	0.344	13.97	
1425.33	(b) (7)(F)	(b) (7)(F)	868.8804	10:02	metal loss	YES	6	0.51	0.71		540	0.344	13.91	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1425.43	(b) (7)(F)		868.8923	09:17	metal loss	YES	6	1.34	0.71		540	0.344	13.80	
1425.43	(b) (7)(F)		868.8925	02:47	metal loss	YES	5	0.55	0.71		540	0.344	13.80	
1425.43	(b) (7)(F)		868.8925	02:17	Cluster	YES	14	12.29	7.46		540	0.344	13.80	
1425.44	(b) (7)(F)		868.8928	09:47	metal loss	YES	6	0.35	0.71		540	0.344	13.79	
1425.47	(b) (7)(F)		868.8968	09:30	metal loss	YES	5	0.55	1.14		540	0.344	13.76	
1425.48	(b) (7)(F)		868.8975	09:02	metal loss	YES	6	0.59	0.71		540	0.344	13.75	
1425.54	(b) (7)(F)		868.9036	10:17	metal loss	YES	6	0.47	0.71		540	0.344	13.70	
1425.54	(b) (7)(F)		868.9041	10:07	metal loss	YES	8	0.51	0.71		540	0.344	13.69	
1425.54	(b) (7)(F)		868.9043	02:37	metal loss	YES	7	0.55	0.55		540	0.344	13.69	
1425.58	(b) (7)(F)		868.9080	02:19	metal loss	YES	5	0.43	0.63		540	0.344	13.66	
1425.60	(b) (7)(F)		868.9106	09:52	metal loss	YES	5	0.43	0.71		540	0.344	13.63	
1425.61	(b) (7)(F)		868.9120	09:21	metal loss	YES	5	0.47	0.79		540	0.344	13.62	
1425.63	(b) (7)(F)		868.9144	10:12	metal loss	YES	11	0.51	0.55		540	0.344	13.60	
1425.66	(b) (7)(F)		868.9167	02:47	metal loss	YES	6	0.43	0.71		540	0.344	13.58	
1425.66	(b) (7)(F)		868.9167	02:32	metal loss	YES	5	0.43	0.71		540	0.344	13.58	
1425.67	(b) (7)(F)		868.9179	09:52	metal loss	YES	5	0.43	0.71		540	0.344	13.57	
1425.67	(b) (7)(F)		868.9186	10:27	metal loss	YES	5	0.43	0.71		540	0.344	13.56	
1425.68	(b) (7)(F)		868.9189	08:52	metal loss	YES	5	0.43	0.71		540	0.344	13.56	
1425.69	(b) (7)(F)		868.9206	09:02	metal loss	YES	6	0.59	0.71		540	0.344	13.54	
1425.71	(b) (7)(F)		868.9227	09:42	metal loss	YES	5	0.47	0.71		540	0.344	13.52	
1425.76	(b) (7)(F)		868.9282	02:37	metal loss	YES	5	1.42	0.71		540	0.344	13.47	
1425.77	(b) (7)(F)		868.9297	09:57	metal loss	YES	5	0.55	0.71		540	0.344	13.46	
1425.79	(b) (7)(F)		868.9316	09:27	metal loss	YES	5	0.47	0.71		540	0.344	13.44	
1425.80	(b) (7)(F)		868.9322	02:47	metal loss	YES	6	0.55	0.71		540	0.344	13.44	
1425.80	(b) (7)(F)		868.9331	03:01	metal loss	YES	6	0.71	0.87		540	0.344	13.43	
1425.82	(b) (7)(F)		868.9347	10:12	metal loss	YES	6	0.43	0.71		540	0.344	13.41	
1425.85	(b) (7)(F)		868.9377	02:47	metal loss	YES	5	0.59	0.71		540	0.344	13.39	
1425.87	(b) (7)(F)		868.9402	02:22	metal loss	YES	6	0.39	0.71		540	0.344	13.36	
1425.90	(b) (7)(F)		868.9440	10:12	metal loss	YES	5	0.43	0.71		540	0.344	13.33	
1425.91	(b) (7)(F)		868.9449	10:02	metal loss	YES	7	0.47	0.71		540	0.344	13.32	
1425.92	(b) (7)(F)		868.9455	03:22	metal loss	YES	5	0.51	0.71		540	0.344	13.32	
1425.92	(b) (7)(F)		868.9458	02:22	metal loss	YES	6	0.39	0.71		540	0.344	13.31	

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ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1425.98			868.9524	02:32	metal loss	YES	6	0.51	0.71		540	0.344	13.25	
1425.99			868.9533	09:19	metal loss	YES	5	0.63	0.67		540	0.344	13.24	
1425.99			868.9541	02:17	metal loss	YES	14	0.55	0.55		540	0.344	13.24	
1426.01			868.9558	10:14	metal loss	YES	8	0.43	0.71		540	0.344	13.22	
1426.04			868.9586	02:29	metal loss	YES	5	0.47	0.71		540	0.344	13.20	
1426.06			868.9609	10:09	metal loss	YES	5	0.43	0.71		540	0.344	13.18	
1426.08			868.9631	09:19	metal loss	YES	9	0.47	0.71		540	0.344	13.16	
1426.09			868.9646	09:29	metal loss	YES	7	0.67	0.94		540	0.344	13.14	
1426.11			868.9668	09:44	metal loss	YES	6	0.55	0.71		540	0.344	13.12	
1426.12			868.9678	10:24	metal loss	YES	5	0.47	0.71		540	0.344	13.11	
1426.13			868.9694	09:59	metal loss	YES	7	0.43	0.71		540	0.344	13.10	
1426.14			868.9700	10:10	metal loss	YES	7	0.63	0.71		540	0.344	13.09	
1426.14			868.9703	02:29	metal loss	YES	7	0.43	0.71		540	0.344	13.09	
1426.19			868.9753	09:00	metal loss	YES	5	0.87	0.94		540	0.344	13.05	
1426.23			868.9802	09:44	metal loss	YES	5	0.47	0.71		540	0.344	13.00	
1426.23			868.9806	02:52	metal loss	YES	5	0.63	0.98		540	0.344	13.00	
1426.28			868.9853	10:07	metal loss	YES	5	0.55	0.67		540	0.344	12.95	
1426.29			868.9864	09:52	metal loss	YES	6	0.55	0.79		540	0.344	12.94	
1426.29			868.9867	03:09	metal loss	YES	5	0.55	0.71		540	0.344	12.94	
1426.32			868.9894	09:07	metal loss	YES	5	0.83	0.71		540	0.344	12.92	
1426.33			868.9911	10:14	metal loss	YES	5	0.47	0.71		540	0.344	12.90	
1426.37			868.9949	09:56	metal loss	YES	6	0.39	0.98		540	0.344	12.87	
1426.39			868.9975	09:19	metal loss	YES	5	0.35	0.71		540	0.344	12.84	
1426.40			868.9987	10:14	metal loss	YES	6	0.39	0.71		540	0.344	12.83	
1426.40			868.9988	03:04	metal loss	YES	6	0.71	0.71		540	0.344	12.83	
1426.42			869.0008	10:04	metal loss	YES	5	0.51	0.71		540	0.344	12.81	
1426.53			869.0134	09:59	metal loss	YES	6	0.55	0.71		540	0.344	12.70	
1426.54			869.0146	10:14	metal loss	YES	5	0.51	0.71		540	0.344	12.69	
1426.60			869.0210	10:19	metal loss	YES	5	0.43	0.71		540	0.344	12.63	
1426.65			869.0258	10:14	metal loss	YES	5	0.35	0.71		540	0.344	12.59	
1426.66			869.0273	08:42	metal loss	YES	6	0.55	0.55		540	0.344	12.57	
1426.68			869.0294	10:04	metal loss	YES	7	0.47	0.63		540	0.344	12.55	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)	(b) (7)(F)	ft				%	in	in			in	ft	%
1426.69	(b) (7)(F)	(b) (7)(F)	869.0311	09:29	metal loss	YES	5	0.43	0.71		540	0.344	12.54	
1426.73	(b) (7)(F)	(b) (7)(F)	869.0355	09:04	metal loss	YES	5	0.71	0.75		540	0.344	12.50	
1426.74	(b) (7)(F)	(b) (7)(F)	869.0364	08:49	metal loss	YES	5	0.59	0.71		540	0.344	12.49	
1426.77	(b) (7)(F)	(b) (7)(F)	869.0397	10:11	metal loss	YES	7	0.51	0.59		540	0.344	12.46	
1426.80	(b) (7)(F)	(b) (7)(F)	869.0430	09:59	metal loss	YES	6	0.55	0.71		540	0.344	12.43	
1426.84	(b) (7)(F)	(b) (7)(F)	869.0464	09:09	metal loss	YES	5	1.22	0.55		540	0.344	12.40	
1426.84	(b) (7)(F)	(b) (7)(F)	869.0472	10:14	metal loss	YES	5	0.51	0.71		540	0.344	12.39	
1426.86	(b) (7)(F)	(b) (7)(F)	869.0489	09:24	metal loss	YES	7	0.47	0.71		540	0.344	12.37	
1426.92	(b) (7)(F)	(b) (7)(F)	869.0558	09:59	metal loss	YES	8	0.43	0.71		540	0.344	12.31	
1426.94	(b) (7)(F)	(b) (7)(F)	869.0574	10:17	metal loss	YES	5	0.98	0.59		540	0.344	12.30	
1426.98	(b) (7)(F)	(b) (7)(F)	869.0622	10:09	metal loss	YES	5	0.35	0.71		540	0.344	12.25	
1426.98	(b) (7)(F)	(b) (7)(F)	869.0622	09:24	metal loss	YES	6	0.39	0.63		540	0.344	12.25	
1426.99	(b) (7)(F)	(b) (7)(F)	869.0636	10:34	metal loss	YES	5	0.39	0.71		540	0.344	12.24	
1427.05	(b) (7)(F)	(b) (7)(F)	869.0695	09:59	metal loss	YES	6	0.47	0.71		540	0.344	12.18	
1427.06	(b) (7)(F)	(b) (7)(F)	869.0707	09:39	metal loss	YES	5	0.55	0.71		540	0.344	12.17	
1427.12	(b) (7)(F)	(b) (7)(F)	869.0774	09:49	metal loss	YES	7	0.39	0.71		540	0.344	12.11	
1427.17	(b) (7)(F)	(b) (7)(F)	869.0833	09:39	metal loss	YES	6	0.39	0.71		540	0.344	12.06	
1427.20	(b) (7)(F)	(b) (7)(F)	869.0863	09:29	metal loss	YES	5	0.39	0.71		540	0.344	12.03	
1427.23	(b) (7)(F)	(b) (7)(F)	869.0895	10:14	metal loss	YES	6	0.98	0.67		540	0.344	12.00	
1427.24	(b) (7)(F)	(b) (7)(F)	869.0908	10:34	metal loss	YES	5	0.39	0.71		540	0.344	11.99	
1427.27	(b) (7)(F)	(b) (7)(F)	869.0935	10:44	metal loss	YES	6	0.47	0.71		540	0.344	11.96	
1427.35	(b) (7)(F)	(b) (7)(F)	869.1025	09:59	metal loss	YES	5	1.93	0.71		540	0.344	11.88	
1427.38	(b) (7)(F)	(b) (7)(F)	869.1061	09:39	metal loss	YES	6	0.51	0.55		540	0.344	11.85	
1427.42	(b) (7)(F)	(b) (7)(F)	869.1101	10:10	metal loss	YES	10	0.51	0.63		540	0.344	11.81	
1427.42	(b) (7)(F)	(b) (7)(F)	869.1106	09:45	metal loss	YES	7	0.59	0.63		540	0.344	11.81	
1427.48	(b) (7)(F)	(b) (7)(F)	869.1166	10:14	metal loss	YES	6	0.43	0.71		540	0.344	11.75	
1428.94	(b) (7)(F)	(b) (7)(F)	869.2758	02:14	metal loss	YES	5	0.39	0.71		540	0.344	10.29	
1428.94	(b) (7)(F)	(b) (7)(F)	869.2758	01:54	Cluster	YES	10	6.01	8.48		540	0.344	10.29	
1428.95	(b) (7)(F)	(b) (7)(F)	869.2766	02:24	metal loss	YES	6	0.43	0.71		540	0.344	10.29	
1429.02	(b) (7)(F)	(b) (7)(F)	869.2846	02:29	metal loss	YES	7	1.02	0.71		540	0.344	10.21	
1429.05	(b) (7)(F)	(b) (7)(F)	869.2874	02:19	metal loss	YES	10	0.63	0.71		540	0.344	10.19	
1429.14	(b) (7)(F)	(b) (7)(F)	869.2975	02:35	metal loss	YES	6	0.55	0.83		540	0.344	10.10	

Client Plains All American
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24" LAS FLORES TO GAVIOTA

ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)	(b) (7)(F)	ft				%	in	in			in	ft	%
1429.14	(b) (7)(F)	(b) (7)(F)	869.2981	02:24	metal loss	YES	5	0.51	0.71		540	0.344	10.09	
1429.16	(b) (7)(F)	(b) (7)(F)	869.3003	03:09	metal loss	YES	5	0.59	0.55		540	0.344	10.07	
1429.20	(b) (7)(F)	(b) (7)(F)	869.3040	02:49	metal loss	YES	5	0.47	0.71		540	0.344	10.04	
1429.23	(b) (7)(F)	(b) (7)(F)	869.3073	03:05	metal loss	YES	6	0.39	0.59		540	0.344	10.00	
1429.27	(b) (7)(F)	(b) (7)(F)	869.3114	02:04	metal loss	YES	5	0.35	0.71		540	0.344	9.97	
1429.29	(b) (7)(F)	(b) (7)(F)	869.3144	01:54	metal loss	YES	7	0.51	0.71		540	0.344	9.94	
1429.29	(b) (7)(F)	(b) (7)(F)	869.3144	02:44	metal loss	YES	5	0.55	0.71		540	0.344	9.94	
1429.30	(b) (7)(F)	(b) (7)(F)	869.3153	02:17	metal loss	YES	5	0.43	0.59		540	0.344	9.93	
1429.30	(b) (7)(F)	(b) (7)(F)	869.3153	03:04	metal loss	YES	5	0.55	0.71		540	0.344	9.93	
1429.39	(b) (7)(F)	(b) (7)(F)	869.3247	02:34	metal loss	YES	7	0.51	0.71		540	0.344	9.85	
1429.39	(b) (7)(F)	(b) (7)(F)	869.3247	02:24	metal loss	YES	6	0.59	0.71		540	0.344	9.85	
1429.40	(b) (7)(F)	(b) (7)(F)	869.3257	02:14	metal loss	YES	6	0.51	0.71		540	0.344	9.84	
1429.49	(b) (7)(F)	(b) (7)(F)	869.3364	03:04	metal loss	YES	8	0.47	0.71		540	0.344	9.74	
1429.49	(b) (7)(F)	(b) (7)(F)	869.3364	01:49	Cluster	YES	12	7.54	8.63		540	0.344	9.74	
1429.56	(b) (7)(F)	(b) (7)(F)	869.3435	02:24	metal loss	YES	5	0.51	0.87		540	0.344	9.67	
1429.58	(b) (7)(F)	(b) (7)(F)	869.3452	02:14	metal loss	YES	5	0.39	0.71		540	0.344	9.66	
1429.58	(b) (7)(F)	(b) (7)(F)	869.3462	02:44	metal loss	YES	6	0.71	0.71		540	0.344	9.65	
1429.59	(b) (7)(F)	(b) (7)(F)	869.3472	01:49	metal loss	YES	8	0.47	0.71		540	0.344	9.64	
1429.63	(b) (7)(F)	(b) (7)(F)	869.3516	02:19	metal loss	YES	6	1.14	0.71		540	0.344	9.60	
1429.67	(b) (7)(F)	(b) (7)(F)	869.3555	02:14	metal loss	YES	5	0.51	0.71		540	0.344	9.56	
1429.69	(b) (7)(F)	(b) (7)(F)	869.3580	02:24	metal loss	YES	5	0.43	0.71		540	0.344	9.54	
1429.73	(b) (7)(F)	(b) (7)(F)	869.3618	02:57	metal loss	YES	5	0.55	0.75		540	0.344	9.50	
1429.74	(b) (7)(F)	(b) (7)(F)	869.3628	01:59	metal loss	YES	5	0.51	0.71		540	0.344	9.50	
1429.76	(b) (7)(F)	(b) (7)(F)	869.3658	03:05	metal loss	YES	5	0.55	0.67		540	0.344	9.47	
1429.78	(b) (7)(F)	(b) (7)(F)	869.3673	02:24	metal loss	YES	12	0.55	0.59		540	0.344	9.45	
1429.78	(b) (7)(F)	(b) (7)(F)	869.3678	02:44	metal loss	YES	5	0.83	0.71		540	0.344	9.45	
1429.86	(b) (7)(F)	(b) (7)(F)	869.3759	02:29	metal loss	YES	5	0.51	0.71		540	0.344	9.38	
1429.90	(b) (7)(F)	(b) (7)(F)	869.3801	02:44	metal loss	YES	5	0.51	0.71		540	0.344	9.34	
1429.93	(b) (7)(F)	(b) (7)(F)	869.3841	02:14	metal loss	YES	6	0.47	0.71		540	0.344	9.30	
1429.94	(b) (7)(F)	(b) (7)(F)	869.3855	02:44	metal loss	YES	5	0.51	0.71		540	0.344	9.29	
1429.97	(b) (7)(F)	(b) (7)(F)	869.3881	01:49	metal loss	YES	6	0.59	0.71		540	0.344	9.26	
1429.99	(b) (7)(F)	(b) (7)(F)	869.3911	02:19	metal loss	YES	5	0.83	0.71		540	0.344	9.24	

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ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1430.03			869.3947	02:29	metal loss	YES	5	0.39	0.71		540	0.344	9.20	
1430.09			869.4017	02:19	metal loss	YES	5	0.35	0.71		540	0.344	9.14	
1430.91			869.4911	02:09	metal loss	YES	6	0.43	0.71		540	0.344	8.32	
1430.91			869.4911	02:09	Cluster	YES	10	3.85	6.58		540	0.344	8.32	
1430.95			869.4954	02:34	metal loss	YES	5	0.47	0.71		540	0.344	8.28	
1430.99			869.4998	03:02	metal loss	YES	5	0.71	1.02		540	0.344	8.24	
1431.02			869.5025	02:14	metal loss	YES	5	0.47	0.71		540	0.344	8.21	
1431.10			869.5115	02:52	metal loss	YES	7	1.61	0.63		540	0.344	8.13	
1431.13			869.5143	02:37	metal loss	YES	6	1.06	0.59		540	0.344	8.11	
1431.14			869.5159	02:24	metal loss	YES	10	0.47	0.63		540	0.344	8.09	
1432.34			869.6466	01:44	Cluster	YES	10	12.38	12.38		540	0.344	6.89	
1432.34			869.6466	02:22	metal loss	YES	5	0.55	0.98		540	0.344	6.89	
1432.38			869.6508	02:44	metal loss	YES	5	0.55	0.71		540	0.344	6.86	
1432.43			869.6568	02:19	metal loss	YES	5	0.71	0.71		540	0.344	6.80	
1432.45			869.6584	01:59	metal loss	YES	6	0.55	0.71		540	0.344	6.79	
1432.45			869.6586	02:09	metal loss	YES	5	0.47	0.71		540	0.344	6.78	
1432.49			869.6637	02:19	metal loss	YES	6	0.39	0.71		540	0.344	6.74	
1432.51			869.6657	02:34	metal loss	YES	5	0.43	0.71		540	0.344	6.72	
1432.57			869.6719	01:44	metal loss	YES	5	0.59	0.63		540	0.344	6.66	
1432.59			869.6738	02:19	metal loss	YES	6	0.47	0.71		540	0.344	6.64	
1432.65			869.6808	02:42	metal loss	YES	6	0.67	0.55		540	0.344	6.58	
1432.66			869.6821	02:04	metal loss	YES	5	0.43	0.71		540	0.344	6.57	
1432.69			869.6847	02:19	metal loss	YES	10	0.51	0.71		540	0.344	6.55	
1432.74			869.6905	03:11	metal loss	YES	7	0.59	0.55		540	0.344	6.49	
1432.80			869.6972	02:21	metal loss	YES	5	1.06	0.71		540	0.344	6.43	
1432.81			869.6982	02:26	metal loss	YES	5	0.79	0.71		540	0.344	6.42	
1432.82			869.6994	03:01	metal loss	YES	5	0.83	0.71		540	0.344	6.41	
1432.82			869.6994	02:45	metal loss	YES	5	0.47	0.71		540	0.344	6.41	
1432.96			869.7141	02:16	metal loss	YES	5	1.22	0.71		540	0.344	6.27	
1432.97			869.7155	02:26	metal loss	YES	8	0.47	0.55		540	0.344	6.26	
1433.07			869.7267	02:50	metal loss	YES	5	0.59	0.79		540	0.344	6.16	
1433.11			869.7309	03:11	metal loss	YES	5	0.55	0.71		540	0.344	6.12	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)	(b) (7)(F)	ft				%	in	in			in	ft	%
1433.21	(b) (7)(F)	(b) (7)(F)	869.7414	03:36	metal loss	YES	5	1.06	0.71		540	0.344	6.02	
1433.32	(b) (7)(F)	(b) (7)(F)	869.7533	11:41	metal loss-manufacturing anomaly	N/A	12	0.63	0.71		540	0.344	5.92	
1433.33	(b) (7)(F)	(b) (7)(F)	869.7548	03:26	metal loss	YES	5	0.47	0.71		540	0.344	5.90	
1435.54	(b) (7)(F)	(b) (7)(F)	869.9959	03:01	metal loss	YES	5	0.43	0.71		540	0.344	3.69	
1435.54	(b) (7)(F)	(b) (7)(F)	869.9959	01:56	Cluster	YES	10	5.23	9.59		540	0.344	3.69	
1435.55	(b) (7)(F)	(b) (7)(F)	869.9965	02:21	metal loss	YES	5	0.43	0.71		540	0.344	3.69	
1435.55	(b) (7)(F)	(b) (7)(F)	869.9967	03:21	metal loss	YES	5	0.63	0.71		540	0.344	3.68	
1435.61	(b) (7)(F)	(b) (7)(F)	870.0033	02:46	metal loss	YES	5	0.59	0.67		540	0.344	3.62	
1435.63	(b) (7)(F)	(b) (7)(F)	870.0059	02:31	metal loss	YES	6	0.43	0.71		540	0.344	3.60	
1435.71	(b) (7)(F)	(b) (7)(F)	870.0149	01:56	metal loss	YES	5	0.39	0.71		540	0.344	3.52	
1435.75	(b) (7)(F)	(b) (7)(F)	870.0183	02:31	metal loss	YES	5	0.43	0.71		540	0.344	3.49	
1435.81	(b) (7)(F)	(b) (7)(F)	870.0256	02:19	metal loss	YES	5	0.47	0.94		540	0.344	3.42	
1435.86	(b) (7)(F)	(b) (7)(F)	870.0312	02:36	metal loss	YES	6	0.47	0.71		540	0.344	3.37	
1435.88	(b) (7)(F)	(b) (7)(F)	870.0334	02:21	metal loss	YES	7	0.43	0.71		540	0.344	3.35	
1435.89	(b) (7)(F)	(b) (7)(F)	870.0343	02:16	metal loss	YES	6	0.59	0.71		540	0.344	3.34	
1435.93	(b) (7)(F)	(b) (7)(F)	870.0384	01:59	metal loss	YES	10	0.55	0.55		540	0.344	3.30	
1438.50	(b) (7)(F)	(b) (7)(F)	870.3163	01:51	Cluster	YES	10	6.94	7.96		540	0.344	0.73	
1438.50	(b) (7)(F)	(b) (7)(F)	870.3163	02:01	metal loss	YES	5	0.43	0.71		540	0.344	0.73	
1438.58	(b) (7)(F)	(b) (7)(F)	870.3249	02:21	metal loss	YES	5	0.43	0.71		540	0.344	0.65	
1438.59	(b) (7)(F)	(b) (7)(F)	870.3260	02:01	metal loss	YES	5	0.39	0.71		540	0.344	0.64	
1438.65	(b) (7)(F)	(b) (7)(F)	870.3330	02:39	metal loss	YES	5	0.43	0.59		540	0.344	0.58	
1438.74	(b) (7)(F)	(b) (7)(F)	870.3428	02:24	metal loss	YES	5	0.43	0.59		540	0.344	0.49	
1438.75	(b) (7)(F)	(b) (7)(F)	870.3431	08:03	Cluster	YES	17	6.48	15.12		540	0.344	0.49	
1438.75	(b) (7)(F)	(b) (7)(F)	870.3431	09:46	metal loss	YES	7	0.59	0.71		540	0.344	0.49	
1438.77	(b) (7)(F)	(b) (7)(F)	870.3457	10:01	metal loss	YES	5	0.47	0.71		540	0.344	0.46	
1438.78	(b) (7)(F)	(b) (7)(F)	870.3472	09:51	metal loss	YES	6	0.39	0.71		540	0.344	0.45	
1438.82	(b) (7)(F)	(b) (7)(F)	870.3509	01:51	metal loss	YES	5	0.63	0.71		540	0.344	0.41	
1438.85	(b) (7)(F)	(b) (7)(F)	870.3539	09:56	metal loss	YES	7	0.47	0.71		540	0.344	0.39	
1438.85	(b) (7)(F)	(b) (7)(F)	870.3547	02:41	metal loss	YES	7	0.71	0.71		540	0.344	0.38	
1438.86	(b) (7)(F)	(b) (7)(F)	870.3559	02:21	metal loss	YES	10	0.63	0.55		540	0.344	0.37	
1438.88	(b) (7)(F)	(b) (7)(F)	870.3570	02:59	metal loss	YES	6	0.51	0.83		540	0.344	0.36	
1438.88	(b) (7)(F)	(b) (7)(F)	870.3575	10:08	metal loss	YES	8	0.59	0.59		540	0.344	0.35	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1438.93			870.3630	01:56	metal loss	YES	7	0.43	0.71		540	0.344	0.30	
1438.94			870.3641	09:50	metal loss	YES	5	0.51	1.42		540	0.344	0.29	
1438.94			870.3645	02:53	metal loss	YES	6	0.51	0.59		540	0.344	0.29	
1438.94			870.3646	10:11	metal loss	YES	7	0.63	0.71		540	0.344	0.29	
1438.96			870.3662	09:41	metal loss	YES	7	0.71	0.71		540	0.344	0.27	
1438.97			870.3673	09:34	metal loss	YES	6	0.67	0.55		540	0.344	0.26	
1438.97			870.3678	08:26	metal loss	YES	7	3.74	3.50		540	0.344	0.26	
1438.98			870.3682	09:31	metal loss	YES	5	1.65	0.71		540	0.344	0.25	
1439.00			870.3709	09:16	metal loss	YES	17	2.36	0.91		540	0.344	0.23	
1439.01			870.3713	08:36	metal loss	YES	6	1.26	0.71		540	0.344	0.22	
1439.04			870.3747	02:29	metal loss	YES	6	0.43	0.71		540	0.344	0.19	
1439.06			870.3770	08:13	metal loss	YES	9	2.17	0.98		540	0.344	0.17	
1439.07			870.3784	09:28	metal loss	YES	9	1.50	1.34		540	0.344	0.16	
1439.09			870.3801	09:42	metal loss	YES	9	1.14	1.06		540	0.344	0.14	
1439.10			870.3809	08:03	metal loss	YES	6	0.94	0.71		540	0.344	0.14	
1439.11			870.3820	10:10	metal loss	YES	6	0.59	1.77		540	0.344	0.13	
1439.11			870.3822	09:52	metal loss	YES	13	0.59	0.98		540	0.344	0.12	
1439.16			870.3873	09:58	metal loss	YES	5	0.55	0.71		540	0.344	0.08	
1439.24			870.3961	10:03	metal loss	YES	8	2.91	0.91		550	0.344	-0.01	
1439.24			870.3961	09:11	Cluster	YES	12	5.89	7.73		550	0.344	-0.01	
1439.25			870.3977	02:43	metal loss	YES	9	1.93	1.06		550	0.344	-0.02	
1439.25			870.3977	02:12	Cluster	YES	10	4.03	5.74		550	0.344	-0.02	
1439.25			870.3979	02:59	metal loss	YES	9	2.48	0.87		550	0.344	-0.02	
1439.27			870.3997	09:58	metal loss	YES	7	2.60	0.94		550	0.344	-0.04	
1439.29			870.4016	09:27	metal loss	YES	6	2.79	2.40		550	0.344	-0.06	
1439.29			870.4020	10:14	metal loss	YES	12	1.73	1.02		550	0.344	-0.06	
1439.30			870.4025	09:48	metal loss	YES	9	2.68	0.91		550	0.344	-0.06	
1439.30			870.4031	02:18	metal loss	YES	8	0.63	0.71		550	0.344	-0.07	
1439.31			870.4036	09:11	metal loss	YES	5	1.18	0.71		550	0.344	-0.07	
1439.31			870.4039	02:12	metal loss	YES	5	3.35	2.91		550	0.344	-0.08	
1439.31			870.4042	02:33	metal loss	YES	6	0.55	0.71		550	0.344	-0.08	
1439.34			870.4067	02:22	metal loss	YES	10	0.83	1.02		550	0.344	-0.10	

Client Plains All American
 ROSEN Proj. No. 0-1000-10908
 Inspection Type EGP, CDG
 Inspection Date: June 19 2007
 Report Date: August 15, 2007
 ROSEN Line Name: 24" LAS-GAV

24" LAS FLORES TO GAVIOTA

ROSOFT Anomaly

Inspection Technologies
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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)	(b) (7)(F)	ft				%	in	in			in	ft	%
1439.42	(b) (7)(F)	(b) (7)(F)	870.4159	02:33	metal loss	YES	5	0.47	0.71		550	0.344	-0.19	
1439.43	(b) (7)(F)	(b) (7)(F)	870.4171	09:28	metal loss	YES	7	0.55	0.71		550	0.344	-0.20	
1439.43	(b) (7)(F)	(b) (7)(F)	870.4174	10:13	metal loss	YES	5	0.47	0.71		550	0.344	-0.20	
1439.44	(b) (7)(F)	(b) (7)(F)	870.4176	02:43	metal loss	YES	5	1.53	0.71		550	0.344	-0.20	
1439.56	(b) (7)(F)	(b) (7)(F)	870.4308	09:52	metal loss	YES	7	0.83	0.59		550	0.344	-0.33	
1439.56	(b) (7)(F)	(b) (7)(F)	870.4310	09:38	metal loss	YES	5	0.51	0.71		550	0.344	-0.33	
1439.56	(b) (7)(F)	(b) (7)(F)	870.4313	10:13	metal loss	YES	6	0.43	0.71		550	0.344	-0.33	
1439.69	(b) (7)(F)	(b) (7)(F)	870.4455	10:18	metal loss	YES	6	0.39	0.71		550	0.344	-0.46	
1448.43	(b) (7)(F)	(b) (7)(F)	871.3845	07:38	Cluster	YES	10	1.15	3.46		550	0.344	-9.19	
1448.43	(b) (7)(F)	(b) (7)(F)	871.3845	07:38	metal loss	YES	6	1.14	0.71		550	0.344	-9.19	
1448.45	(b) (7)(F)	(b) (7)(F)	871.3866	07:55	metal loss	YES	10	0.87	0.59		550	0.344	-9.21	
1448.45	(b) (7)(F)	(b) (7)(F)	871.3872	08:05	metal loss	YES	7	0.71	0.71		550	0.344	-9.22	
1454.64	(b) (7)(F)	(b) (7)(F)	872.0430	09:25	metal loss	YES	7	0.55	0.71		550	0.344	-15.41	
1454.64	(b) (7)(F)	(b) (7)(F)	872.0430	09:12	Cluster	YES	11	3.89	10.58		550	0.344	-15.41	
1454.66	(b) (7)(F)	(b) (7)(F)	872.0455	09:12	metal loss	YES	5	0.47	0.71		550	0.344	-15.43	
1454.68	(b) (7)(F)	(b) (7)(F)	872.0471	09:55	metal loss	YES	6	0.98	0.71		550	0.344	-15.45	
1454.69	(b) (7)(F)	(b) (7)(F)	872.0487	09:40	metal loss	YES	7	0.55	0.55		550	0.344	-15.46	
1454.70	(b) (7)(F)	(b) (7)(F)	872.0493	10:05	metal loss	YES	7	0.51	0.71		550	0.344	-15.47	
1454.71	(b) (7)(F)	(b) (7)(F)	872.0508	09:20	metal loss	YES	5	0.63	0.71		550	0.344	-15.48	
1454.77	(b) (7)(F)	(b) (7)(F)	872.0571	10:22	metal loss	YES	6	0.35	0.71		550	0.344	-15.54	
1454.78	(b) (7)(F)	(b) (7)(F)	872.0578	10:47	metal loss	YES	5	0.43	0.55		550	0.344	-15.55	
1454.81	(b) (7)(F)	(b) (7)(F)	872.0609	09:28	metal loss	YES	5	0.71	1.06		550	0.344	-15.58	
1454.84	(b) (7)(F)	(b) (7)(F)	872.0647	10:07	metal loss	YES	7	0.39	0.71		550	0.344	-15.61	
1454.92	(b) (7)(F)	(b) (7)(F)	872.0731	10:12	metal loss	YES	11	0.47	0.71		550	0.344	-15.69	
1458.54	(b) (7)(F)	(b) (7)(F)	872.4545	10:08	metal loss	YES	10	0.51	0.59		550	0.344	15.74	
1458.54	(b) (7)(F)	(b) (7)(F)	872.4545	09:57	Cluster	YES	10	0.62	1.80		550	0.344	15.74	
1458.55	(b) (7)(F)	(b) (7)(F)	872.4562	09:57	metal loss	YES	7	0.43	0.71		550	0.344	15.73	
1461.84	(b) (7)(F)	(b) (7)(F)	872.8023	10:29	metal loss	YES	5	0.43	0.71		550	0.344	12.43	
1461.84	(b) (7)(F)	(b) (7)(F)	872.8023	09:27	Cluster	YES	11	8.21	8.67		550	0.344	12.43	
1461.86	(b) (7)(F)	(b) (7)(F)	872.8042	10:14	metal loss	YES	5	0.59	0.71		550	0.344	12.42	
1461.90	(b) (7)(F)	(b) (7)(F)	872.8077	09:39	metal loss	YES	6	0.39	0.71		550	0.344	12.38	
1461.95	(b) (7)(F)	(b) (7)(F)	872.8138	09:34	metal loss	YES	5	0.55	0.71		550	0.344	12.33	

Client Plains All American
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ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1461.98			872.8166	10:04	metal loss	YES	5	0.51	0.71		550	0.344	12.30	
1461.99			872.8179	09:54	metal loss	YES	6	0.51	0.71		550	0.344	12.29	
1462.07			872.8255	10:29	metal loss	YES	5	0.47	0.71		550	0.344	12.21	
1462.11			872.8304	10:12	metal loss	YES	5	0.35	0.55		550	0.344	12.17	
1462.14			872.8337	10:14	metal loss	YES	6	0.67	0.71		550	0.344	12.14	
1462.15			872.8341	10:24	metal loss	YES	11	0.51	0.71		550	0.344	12.13	
1462.15			872.8341	10:34	metal loss	YES	7	0.55	0.71		550	0.344	12.13	
1462.24			872.8444	09:27	metal loss	YES	5	0.55	0.71		550	0.344	12.03	
1462.28			872.8482	10:04	metal loss	YES	7	0.59	0.71		550	0.344	12.00	
1462.29			872.8488	09:39	metal loss	YES	5	0.55	0.71		550	0.344	11.99	
1462.29			872.8489	09:52	metal loss	YES	6	0.47	0.59		550	0.344	11.99	
1462.38			872.8585	10:17	metal loss	YES	8	0.43	0.63		550	0.344	11.90	
1462.47			872.8685	10:04	metal loss	YES	5	0.47	0.71		550	0.344	11.81	
1462.48			872.8689	10:19	metal loss	YES	5	0.47	0.71		550	0.344	11.80	
1462.48			872.8697	10:44	metal loss	YES	5	0.51	0.71		550	0.344	11.79	
1462.59			872.8810	08:58	metal loss	YES	6	0.51	0.59		550	0.344	11.69	
1462.59			872.8810	08:49	Cluster	YES	10	11.21	11.42		550	0.344	11.69	
1462.60			872.8816	09:15	metal loss	YES	5	0.51	0.98		550	0.344	11.68	
1462.60			872.8819	09:55	metal loss	YES	5	0.43	0.79		550	0.344	11.68	
1462.63			872.8846	10:16	metal loss	YES	7	0.55	0.83		550	0.344	11.65	
1462.69			872.8910	09:36	metal loss	YES	5	0.47	0.67		550	0.344	11.59	
1462.70			872.8923	09:19	metal loss	YES	6	0.55	0.71		550	0.344	11.58	
1462.75			872.8973	09:59	metal loss	YES	8	0.55	0.71		550	0.344	11.53	
1462.80			872.9027	09:59	metal loss	YES	5	0.39	0.71		550	0.344	11.48	
1462.82			872.9043	10:19	metal loss	YES	6	0.47	0.71		550	0.344	11.46	
1462.85			872.9080	09:17	metal loss	YES	5	0.75	0.59		550	0.344	11.43	
1462.86			872.9088	09:04	metal loss	YES	6	0.59	0.55		550	0.344	11.42	
1462.90			872.9130	10:09	metal loss	YES	5	0.39	0.71		550	0.344	11.38	
1462.90			872.9135	09:34	metal loss	YES	6	0.55	0.71		550	0.344	11.38	
1462.92			872.9149	09:54	metal loss	YES	5	0.47	0.71		550	0.344	11.36	
1462.99			872.9227	10:04	metal loss	YES	10	0.51	0.55		550	0.344	11.29	
1463.03			872.9273	10:19	metal loss	YES	5	0.35	0.71		550	0.344	11.25	

Client Plains All American
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24" LAS FLORES TO GAVIOTA

ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1463.05			872.9291	09:08	metal loss	YES	6	0.59	0.67		550	0.344	11.23	
1463.05			872.9293	09:19	metal loss	YES	5	0.47	0.71		550	0.344	11.23	
1463.06			872.9304	09:44	metal loss	YES	5	0.51	0.71		550	0.344	11.22	
1463.07			872.9312	09:34	metal loss	YES	5	0.51	0.71		550	0.344	11.21	
1463.10			872.9339	09:59	metal loss	YES	5	0.51	0.71		550	0.344	11.18	
1463.12			872.9359	10:19	metal loss	YES	6	0.55	0.71		550	0.344	11.16	
1463.14			872.9384	10:32	metal loss	YES	5	0.43	0.63		550	0.344	11.14	
1463.15			872.9391	10:04	metal loss	YES	5	0.39	0.71		550	0.344	11.13	
1463.16			872.9409	10:24	metal loss	YES	5	0.39	0.71		550	0.344	11.12	
1463.25			872.9499	09:44	metal loss	YES	6	0.63	0.55		550	0.344	11.03	
1463.26			872.9506	09:29	metal loss	YES	5	0.55	0.71		550	0.344	11.02	
1463.26			872.9508	09:14	metal loss	YES	5	0.71	0.71		550	0.344	11.02	
1463.27			872.9519	10:29	metal loss	YES	5	0.55	0.71		550	0.344	11.01	
1463.30			872.9551	10:09	metal loss	YES	5	0.47	0.71		550	0.344	10.98	
1463.36			872.9611	09:34	metal loss	YES	6	0.51	0.71		550	0.344	10.92	
1463.36			872.9611	09:56	metal loss	YES	8	0.47	0.71		550	0.344	10.92	
1463.36			872.9616	08:49	metal loss	YES	5	0.55	0.71		550	0.344	10.92	
1463.37			872.9627	01:29	metal loss	YES	5	0.83	0.71		550	0.344	10.91	
1463.37			872.9627	01:04	Cluster	YES	10	19.98	11.21		550	0.344	10.91	
1463.43			872.9686	02:29	metal loss	YES	5	0.79	0.71		550	0.344	10.85	
1463.43			872.9692	02:42	metal loss	YES	5	0.63	0.94		550	0.344	10.85	
1463.44			872.9703	09:39	metal loss	YES	7	0.51	0.71		550	0.344	10.84	
1463.45			872.9707	10:04	metal loss	YES	6	0.47	0.55		550	0.344	10.83	
1463.49			872.9751	09:59	metal loss	YES	5	0.47	0.71		550	0.344	10.79	
1463.52			872.9781	02:29	metal loss	YES	5	0.51	0.71		550	0.344	10.76	
1463.52			872.9786	01:34	metal loss	YES	5	0.51	0.94		550	0.344	10.76	
1463.56			872.9821	02:44	metal loss	YES	5	0.59	0.71		550	0.344	10.72	
1463.57			872.9841	01:24	metal loss	YES	5	0.51	0.71		550	0.344	10.70	
1463.62			872.9890	02:14	metal loss	YES	6	0.63	0.55		550	0.344	10.66	
1463.64			872.9911	01:59	metal loss	YES	10	0.63	0.71		550	0.344	10.64	
1463.71			872.9980	01:24	metal loss	YES	5	1.06	0.71		550	0.344	10.57	
1463.71			872.9980	01:34	metal loss	YES	5	0.71	0.71		550	0.344	10.57	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1463.77			873.0048	02:34	metal loss	YES	5	0.51	0.71		550	0.344	10.51	
1463.86			873.0144	01:34	metal loss	YES	6	0.43	0.71		550	0.344	10.42	
1463.89			873.0168	01:59	metal loss	YES	7	0.59	0.59		550	0.344	10.39	
1463.90			873.0180	02:09	metal loss	YES	6	0.55	0.71		550	0.344	10.38	
1463.91			873.0190	02:14	metal loss	YES	6	0.63	0.71		550	0.344	10.37	
1463.91			873.0195	01:20	metal loss	YES	5	0.59	1.18		550	0.344	10.37	
1463.92			873.0207	02:29	metal loss	YES	7	0.63	0.55		550	0.344	10.36	
1463.95			873.0236	01:54	metal loss	YES	5	0.43	0.71		550	0.344	10.33	
1464.03			873.0323	01:29	metal loss	YES	5	0.39	0.71		550	0.344	10.25	
1464.04			873.0327	01:44	metal loss	YES	5	0.67	0.71		550	0.344	10.24	
1464.15			873.0450	01:44	metal loss	YES	7	0.59	0.63		550	0.344	10.13	
1464.16			873.0456	02:06	metal loss	YES	6	0.63	0.79		550	0.344	10.12	
1464.16			873.0459	02:29	metal loss	YES	6	0.79	1.26		550	0.344	10.12	
1464.17			873.0467	02:19	metal loss	YES	6	0.59	0.71		550	0.344	10.11	
1464.20			873.0504	01:04	metal loss	YES	5	0.43	0.71		550	0.344	10.08	
1464.21			873.0510	01:29	metal loss	YES	5	0.51	0.71		550	0.344	10.07	
1464.27			873.0570	02:09	metal loss	YES	5	0.51	0.55		550	0.344	10.01	
1464.30			873.0601	02:24	metal loss	YES	6	0.94	0.71		550	0.344	9.98	
1464.30			873.0608	02:35	metal loss	YES	7	0.87	0.71		550	0.344	9.98	
1464.31			873.0618	02:14	metal loss	YES	6	0.71	0.71		550	0.344	9.97	
1464.31			873.0618	01:29	metal loss	YES	6	0.55	0.71		550	0.344	9.97	
1464.40			873.0704	01:27	metal loss	YES	5	0.63	0.71		550	0.344	9.88	
1464.43			873.0744	01:04	metal loss	YES	5	0.59	0.63		550	0.344	9.85	
1464.44			873.0755	02:19	metal loss	YES	5	0.59	0.55		550	0.344	9.84	
1464.45			873.0759	02:00	metal loss	YES	7	0.59	0.55		550	0.344	9.83	
1464.52			873.0834	02:29	metal loss	YES	7	0.67	0.71		550	0.344	9.76	
1464.55			873.0868	01:49	metal loss	YES	7	0.55	0.71		550	0.344	9.73	
1464.55			873.0872	01:59	metal loss	YES	6	0.47	0.71		550	0.344	9.72	
1464.58			873.0897	02:05	metal loss	YES	5	0.83	0.98		550	0.344	9.70	
1464.59			873.0913	02:19	metal loss	YES	6	0.83	0.71		550	0.344	9.69	
1464.61			873.0925	02:30	metal loss	YES	7	0.55	0.94		550	0.344	9.67	
1464.71			873.1035	02:02	metal loss	YES	9	0.47	0.71		550	0.344	9.57	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1464.74			873.1064	01:49	metal loss	YES	5	0.59	0.71		550	0.344	9.54	
1464.74			873.1070	02:24	metal loss	YES	6	0.55	0.71		550	0.344	9.54	
1464.76			873.1085	01:39	metal loss	YES	5	0.63	0.71		550	0.344	9.52	
1464.87			873.1199	01:24	metal loss	YES	5	0.39	0.71		550	0.344	9.41	
1464.89			873.1224	01:34	metal loss	YES	5	0.39	0.71		550	0.344	9.39	
1464.89			873.1228	02:19	metal loss	YES	5	0.67	0.71		550	0.344	9.39	
1464.89			873.1228	01:04	Cluster	YES	10	13.72	11.71		550	0.344	9.39	
1464.91			873.1243	02:04	metal loss	YES	7	0.51	0.71		550	0.344	9.37	
1464.91			873.1246	01:04	metal loss	YES	5	0.39	0.71		550	0.344	9.37	
1464.96			873.1304	01:14	metal loss	YES	5	0.55	0.71		550	0.344	9.31	
1464.99			873.1329	01:04	metal loss	YES	7	0.55	0.71		550	0.344	9.29	
1465.02			873.1366	01:58	metal loss	YES	6	0.67	0.83		550	0.344	9.26	
1465.04			873.1382	02:24	metal loss	YES	10	0.51	0.83		550	0.344	9.24	
1465.11			873.1459	02:03	metal loss	YES	8	0.51	0.67		550	0.344	9.17	
1465.14			873.1492	02:37	metal loss	YES	6	0.55	0.75		550	0.344	9.13	
1465.15			873.1496	02:19	metal loss	YES	6	0.71	0.71		550	0.344	9.13	
1465.25			873.1601	02:29	metal loss	YES	8	1.69	0.59		550	0.344	9.03	
1465.28			873.1634	02:04	metal loss	YES	5	0.47	0.71		550	0.344	9.00	
1465.29			873.1644	02:19	metal loss	YES	7	0.63	0.71		550	0.344	8.99	
1465.33			873.1690	02:03	metal loss	YES	5	0.94	0.63		550	0.344	8.95	
1465.34			873.1693	01:25	metal loss	YES	5	0.75	0.75		550	0.344	8.94	
1465.34			873.1695	01:57	metal loss	YES	6	0.55	0.59		550	0.344	8.94	
1465.36			873.1718	02:14	metal loss	YES	5	0.67	0.71		550	0.344	8.92	
1465.44			873.1799	01:29	metal loss	YES	5	0.43	0.71		550	0.344	8.84	
1465.47			873.1836	02:49	metal loss	YES	5	2.17	0.71		550	0.344	8.81	
1465.50			873.1869	01:47	metal loss	YES	7	0.55	0.59		550	0.344	8.78	
1465.51			873.1878	01:59	metal loss	YES	10	0.59	0.55		550	0.344	8.77	
1465.52			873.1885	01:24	metal loss	YES	6	0.51	0.71		550	0.344	8.76	
1465.57			873.1938	02:14	metal loss	YES	6	0.59	0.71		550	0.344	8.71	
1465.60			873.1974	02:34	metal loss	YES	5	0.39	0.71		550	0.344	8.68	
1465.65			873.2025	01:39	metal loss	YES	8	0.47	0.71		550	0.344	8.63	
1465.69			873.2066	01:24	metal loss	YES	6	0.55	0.71		550	0.344	8.59	

Client Plains All American
 ROSEN Proj. No. 0-1000-10908
 Inspection Type EGP, CDG
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 Report Date: August 15, 2007
 ROSEN Line Name: 24" LAS-GAV

24" LAS FLORES TO GAVIOTA

ROSOFT Anomaly

Inspection Technologies
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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1465.70	(b) (7)(F)		873.2079	02:04	metal loss	YES	9	0.51	0.55		550	0.344	8.58	
1465.72	(b) (7)(F)		873.2102	02:19	metal loss	YES	5	0.51	0.71		550	0.344	8.56	
1465.73	(b) (7)(F)		873.2112	02:29	metal loss	YES	7	0.59	0.71		550	0.344	8.55	
1465.79	(b) (7)(F)		873.2168	01:49	metal loss	YES	5	0.63	0.71		550	0.344	8.49	
1465.80	(b) (7)(F)		873.2184	01:29	metal loss	YES	6	0.39	0.55		550	0.344	8.48	
1465.81	(b) (7)(F)		873.2194	01:04	metal loss	YES	5	0.55	0.71		550	0.344	8.47	
1465.89	(b) (7)(F)		873.2277	01:39	metal loss	YES	6	0.59	0.71		550	0.344	8.39	
1465.89	(b) (7)(F)		873.2277	02:14	metal loss	YES	6	0.59	0.71		550	0.344	8.39	
1465.91	(b) (7)(F)		873.2296	02:00	metal loss	YES	5	0.47	0.98		550	0.344	8.37	
1465.95	(b) (7)(F)		873.2343	01:15	metal loss	YES	8	0.47	0.59		550	0.344	8.33	
1466.00	(b) (7)(F)		873.2392	01:19	metal loss	YES	6	0.43	0.71		550	0.344	8.28	
1466.02	(b) (7)(F)		873.2407	09:09	metal loss	YES	5	0.55	0.71		550	0.344	8.26	
1466.02	(b) (7)(F)		873.2407	09:03	Cluster	YES	10	21.90	12.67		550	0.344	8.26	
1466.13	(b) (7)(F)		873.2526	09:29	metal loss	YES	5	0.39	0.71		550	0.344	8.15	
1466.15	(b) (7)(F)		873.2553	09:08	metal loss	YES	6	0.51	0.59		550	0.344	8.13	
1466.17	(b) (7)(F)		873.2574	09:29	metal loss	YES	6	0.47	0.71		550	0.344	8.11	
1466.26	(b) (7)(F)		873.2665	09:39	metal loss	YES	5	0.55	0.71		550	0.344	8.02	
1466.26	(b) (7)(F)		873.2665	10:13	metal loss	YES	7	0.43	0.59		550	0.344	8.02	
1466.27	(b) (7)(F)		873.2670	09:44	metal loss	YES	5	0.75	0.71		550	0.344	8.01	
1466.29	(b) (7)(F)		873.2691	09:15	metal loss	YES	5	0.75	0.79		550	0.344	7.99	
1466.29	(b) (7)(F)		873.2697	09:29	metal loss	YES	7	0.51	0.71		550	0.344	7.99	
1466.31	(b) (7)(F)		873.2713	09:59	metal loss	YES	6	0.59	0.71		550	0.344	7.97	
1466.39	(b) (7)(F)		873.2805	09:55	metal loss	YES	6	0.63	0.71		550	0.344	7.89	
1466.41	(b) (7)(F)		873.2822	09:17	metal loss	YES	6	0.55	0.55		550	0.344	7.87	
1466.43	(b) (7)(F)		873.2848	01:09	Cluster	YES	10	10.44	10.05		550	0.344	7.85	
1466.43	(b) (7)(F)		873.2848	02:34	metal loss	YES	7	0.59	0.71		550	0.344	7.85	
1466.44	(b) (7)(F)		873.2854	10:18	metal loss	YES	10	0.39	0.55		550	0.344	7.84	
1466.47	(b) (7)(F)		873.2889	01:24	metal loss	YES	10	0.67	0.71		550	0.344	7.81	
1466.48	(b) (7)(F)		873.2892	01:09	metal loss	YES	7	0.55	0.71		550	0.344	7.80	
1466.50	(b) (7)(F)		873.2915	02:19	metal loss	YES	5	0.59	0.71		550	0.344	7.78	
1466.53	(b) (7)(F)		873.2948	01:54	metal loss	YES	6	0.75	0.55		550	0.344	7.75	
1466.53	(b) (7)(F)		873.2949	10:19	metal loss	YES	5	0.51	0.71		550	0.344	7.75	

Client Plains All American
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24" LAS FLORES TO GAVIOTA

ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1466.53			873.2950	09:19	metal loss	YES	6	0.55	0.71		550	0.344	7.75	
1466.54			873.2958	09:39	metal loss	YES	6	0.59	0.71		550	0.344	7.74	
1466.54			873.2961	09:03	metal loss	YES	7	0.51	0.59		550	0.344	7.74	
1466.56			873.2984	01:24	metal loss	YES	6	0.63	0.71		550	0.344	7.72	
1466.57			873.2986	02:19	metal loss	YES	6	0.63	0.59		550	0.344	7.71	
1466.58			873.3002	01:14	metal loss	YES	5	0.94	0.71		550	0.344	7.70	
1466.58			873.3006	02:38	metal loss	YES	6	0.94	0.67		550	0.344	7.69	
1466.58			873.3006	09:59	metal loss	YES	5	1.18	0.71		550	0.344	7.69	
1466.59			873.3015	01:39	metal loss	YES	7	0.51	0.71		550	0.344	7.69	
1466.61			873.3029	09:54	metal loss	YES	5	0.75	0.71		550	0.344	7.67	
1466.61			873.3033	10:09	metal loss	YES	5	0.39	0.71		550	0.344	7.67	
1466.61			873.3033	09:39	metal loss	YES	7	0.71	0.71		550	0.344	7.67	
1466.61			873.3036	09:29	metal loss	YES	6	0.67	0.71		550	0.344	7.67	
1466.65			873.3073	10:19	metal loss	YES	5	1.18	0.71		550	0.344	7.63	
1466.66			873.3080	02:23	metal loss	YES	6	0.87	0.71		550	0.344	7.62	
1466.69			873.3115	10:09	metal loss	YES	5	0.47	0.71		550	0.344	7.59	
1466.74			873.3173	09:29	metal loss	YES	5	0.63	0.71		550	0.344	7.54	
1466.76			873.3192	01:44	metal loss	YES	6	0.55	0.71		550	0.344	7.52	
1466.78			873.3207	02:04	metal loss	YES	5	0.75	1.30		550	0.344	7.50	
1466.78			873.3215	10:07	metal loss	YES	5	0.47	0.59		550	0.344	7.50	
1466.81			873.3245	09:39	metal loss	YES	7	0.55	0.55		550	0.344	7.47	
1466.81			873.3246	09:51	metal loss	YES	5	0.55	0.63		550	0.344	7.47	
1466.87			873.3310	01:54	metal loss	YES	6	0.51	0.71		550	0.344	7.40	
1466.88			873.3319	02:04	metal loss	YES	6	0.55	0.71		550	0.344	7.40	
1466.93			873.3365	09:34	metal loss	YES	5	0.59	0.71		550	0.344	7.35	
1466.93			873.3367	01:39	metal loss	YES	8	0.55	0.55		550	0.344	7.35	
1466.93			873.3367	02:27	metal loss	YES	6	2.44	0.87		550	0.344	7.35	
1466.95			873.3387	02:04	metal loss	YES	6	0.55	0.71		550	0.344	7.33	
1466.97			873.3408	09:29	metal loss	YES	5	0.47	0.71		550	0.344	7.31	
1467.01			873.3449	01:37	metal loss	YES	7	0.47	0.59		550	0.344	7.27	
1467.02			873.3459	02:14	metal loss	YES	5	0.51	0.71		550	0.344	7.26	
1467.04			873.3487	09:30	metal loss	YES	7	0.59	0.55		550	0.344	7.24	

Client Plains All American
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24" LAS FLORES TO GAVIOTA

ROSOFT Anomaly

Inspection Technologies
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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1467.05			873.3495	09:44	metal loss	YES	5	0.55	0.71		550	0.344	7.23	
1467.07			873.3511	09:19	metal loss	YES	5	0.51	0.71		550	0.344	7.21	
1467.07			873.3511	01:39	metal loss	YES	6	0.43	0.71		550	0.344	7.21	
1467.13			873.3577	09:34	metal loss	YES	8	0.63	0.71		550	0.344	7.15	
1467.15			873.3597	01:09	metal loss	YES	5	0.51	0.71		550	0.344	7.13	
1467.15			873.3598	10:04	metal loss	YES	6	0.51	0.63		550	0.344	7.13	
1467.15			873.3603	01:19	metal loss	YES	7	0.47	0.71		550	0.344	7.13	
1467.18			873.3627	10:17	metal loss	YES	5	0.59	0.55		550	0.344	7.10	
1467.24			873.3692	01:37	metal loss	YES	5	0.79	1.02		550	0.344	7.04	
1467.25			873.3708	09:27	metal loss	YES	7	0.47	0.55		550	0.344	7.03	
1467.27			873.3723	09:59	metal loss	YES	5	0.91	0.59		550	0.344	7.01	
1467.30			873.3761	09:39	metal loss	YES	7	0.47	0.55		550	0.344	6.97	
1467.33			873.3792	09:04	metal loss	YES	6	0.51	0.63		550	0.344	6.94	
1467.38			873.3838	10:39	metal loss	YES	5	0.43	0.71		550	0.344	6.90	
1467.39			873.3851	10:19	metal loss	YES	6	0.47	0.71		550	0.344	6.89	
1467.40			873.3862	10:59	metal loss	YES	6	0.55	0.59		550	0.344	6.88	
1467.46			873.3927	09:29	metal loss	YES	5	0.55	0.83		550	0.344	6.82	
1467.48			873.3942	10:04	metal loss	YES	5	0.43	0.71		550	0.344	6.80	
1467.48			873.3947	09:44	metal loss	YES	5	0.51	0.71		550	0.344	6.80	
1467.49			873.3960	10:15	metal loss	YES	8	0.47	0.59		550	0.344	6.79	
1467.53			873.3998	10:04	metal loss	YES	5	0.43	0.71		550	0.344	6.75	
1467.62			873.4096	10:21	metal loss	YES	6	0.39	0.75		550	0.344	6.65	
1467.63			873.4101	10:09	metal loss	YES	5	0.47	0.71		550	0.344	6.65	
1467.67			873.4142	10:04	metal loss	YES	5	0.63	0.71		550	0.344	6.61	
1467.72			873.4197	10:33	metal loss	YES	5	0.47	0.59		550	0.344	6.56	
1467.80			873.4284	10:09	metal loss	YES	5	0.43	0.71		550	0.344	6.47	
1473.88			874.0644	01:26	Cluster	YES	10	5.68	10.33		550	0.344	0.40	
1473.88			874.0644	02:21	metal loss	YES	8	0.75	0.71		550	0.344	0.40	
1473.88			874.0645	02:59	metal loss	YES	5	1.38	0.55		550	0.344	0.40	
1473.91			874.0678	01:26	metal loss	YES	5	0.59	0.71		550	0.344	0.37	
1473.93			874.0697	02:11	metal loss	YES	6	0.67	0.71		550	0.344	0.35	
1473.94			874.0709	01:41	metal loss	YES	10	0.75	0.71		550	0.344	0.34	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1473.94			874.0710	01:35	metal loss	YES	6	4.92	1.93		550	0.344	0.34	
1473.95			874.0719	02:18	metal loss	YES	6	0.94	0.59		550	0.344	0.33	
1474.00			874.0770	01:46	metal loss	YES	5	0.94	0.71		550	0.344	0.28	
1474.01			874.0784	02:16	metal loss	YES	7	1.58	0.71		550	0.344	0.27	
1474.03			874.0803	02:31	metal loss	YES	9	0.94	0.71		550	0.344	0.25	
1474.04			874.0811	02:46	metal loss	YES	5	0.55	0.71		550	0.344	0.24	
1474.05			874.0820	02:04	metal loss	YES	10	0.83	0.87		550	0.344	0.23	
1474.08			874.0857	02:51	metal loss	YES	5	2.48	0.71		550	0.344	0.20	
1474.10			874.0872	02:46	metal loss	YES	6	2.24	0.71		550	0.344	0.18	
1477.89			874.4844	09:33	metal loss	YES	5	0.55	0.71		560	0.344	-3.61	
1477.89			874.4844	09:03	Cluster	YES	11	34.78	13.80		560	0.344	-3.61	
1477.94			874.4893	09:13	metal loss	YES	7	0.71	0.55		560	0.344	-3.66	
1477.96			874.4917	10:03	metal loss	YES	5	0.51	0.71		560	0.344	-3.68	
1477.97			874.4933	09:58	metal loss	YES	5	0.67	0.71		560	0.344	-3.69	
1478.02			874.4976	09:48	metal loss	YES	5	0.35	0.71		560	0.344	-3.74	
1478.06			874.5018	09:14	metal loss	YES	5	0.59	1.02		560	0.344	-3.78	
1478.10			874.5059	11:08	metal loss	YES	5	0.47	0.71		560	0.344	-3.82	
1478.10			874.5061	09:38	metal loss	YES	6	0.71	0.71		560	0.344	-3.82	
1478.13			874.5095	10:23	metal loss	YES	6	0.43	0.71		560	0.344	-3.85	
1478.13			874.5095	09:52	metal loss	YES	6	0.51	0.87		560	0.344	-3.85	
1478.19			874.5164	10:43	metal loss	YES	5	0.51	0.71		560	0.344	-3.92	
1478.22			874.5193	10:01	metal loss	YES	7	0.43	0.55		560	0.344	-3.94	
1478.29			874.5265	10:28	metal loss	YES	11	0.43	0.59		560	0.344	-4.01	
1478.34			874.5311	11:03	metal loss	YES	5	0.39	0.55		560	0.344	-4.06	
1478.34			874.5314	10:48	metal loss	YES	6	0.51	0.55		560	0.344	-4.06	
1478.34			874.5314	09:33	metal loss	YES	5	0.71	0.91		560	0.344	-4.06	
1478.38			874.5352	09:23	metal loss	YES	6	0.59	0.71		560	0.344	-4.10	
1478.40			874.5374	10:08	metal loss	YES	7	0.43	0.55		560	0.344	-4.12	
1478.40			874.5379	10:28	metal loss	YES	6	0.39	0.71		560	0.344	-4.12	
1478.46			874.5443	09:53	metal loss	YES	5	0.55	0.71		560	0.344	-4.18	
1478.47			874.5448	09:38	metal loss	YES	7	0.71	0.71		560	0.344	-4.19	
1478.47			874.5453	10:28	metal loss	YES	5	0.47	0.71		560	0.344	-4.19	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1478.47			874.5455	10:18	metal loss	YES	5	0.67	0.71		560	0.344	-4.19	
1478.57			874.5558	10:33	metal loss	YES	7	0.55	0.71		560	0.344	-4.29	
1478.60			874.5590	10:48	metal loss	YES	6	0.55	0.55		560	0.344	-4.32	
1478.65			874.5637	10:23	metal loss	YES	6	0.35	0.71		560	0.344	-4.37	
1478.67			874.5663	10:33	metal loss	YES	8	0.59	0.59		560	0.344	-4.39	
1478.71			874.5698	09:43	metal loss	YES	5	0.59	0.71		560	0.344	-4.43	
1478.72			874.5709	10:13	metal loss	YES	5	0.39	0.71		560	0.344	-4.44	
1478.72			874.5717	09:33	metal loss	YES	5	0.55	0.71		560	0.344	-4.44	
1478.73			874.5719	10:03	metal loss	YES	7	0.47	0.71		560	0.344	-4.45	
1478.78			874.5777	09:33	metal loss	YES	8	0.47	0.55		560	0.344	-4.50	
1478.81			874.5807	10:03	metal loss	YES	6	0.47	0.71		560	0.344	-4.53	
1478.83			874.5830	10:33	metal loss	YES	7	0.47	0.71		560	0.344	-4.55	
1478.92			874.5918	10:08	metal loss	YES	5	0.39	0.71		560	0.344	-4.64	
1478.92			874.5919	10:38	metal loss	YES	5	0.47	0.71		560	0.344	-4.64	
1478.92			874.5925	10:23	metal loss	YES	5	0.51	0.71		560	0.344	-4.64	
1478.96			874.5969	10:58	metal loss	YES	5	0.39	0.71		560	0.344	-4.69	
1479.01			874.6014	10:13	metal loss	YES	7	0.43	0.71		560	0.344	-4.73	
1479.02			874.6024	10:03	metal loss	YES	6	0.47	0.71		560	0.344	-4.74	
1479.09			874.6104	09:23	metal loss	YES	5	0.47	0.71		560	0.344	-4.82	
1479.09			874.6104	10:18	metal loss	YES	5	0.35	0.71		560	0.344	-4.82	
1479.13			874.6138	09:33	metal loss	YES	5	0.55	0.71		560	0.344	-4.85	
1479.18			874.6199	10:13	metal loss	YES	7	0.43	0.71		560	0.344	-4.91	
1479.23			874.6251	09:48	metal loss	YES	7	0.55	0.71		560	0.344	-4.95	
1479.28			874.6298	10:33	metal loss	YES	6	0.43	0.71		560	0.344	-5.00	
1479.31			874.6327	10:03	metal loss	YES	5	0.51	0.71		560	0.344	-5.03	
1479.32			874.6338	10:28	metal loss	YES	5	0.43	0.71		560	0.344	-5.04	
1479.33			874.6351	10:13	metal loss	YES	5	0.63	0.71		560	0.344	-5.05	
1479.34			874.6364	09:08	metal loss	YES	6	0.71	0.71		560	0.344	-5.06	
1479.38			874.6408	09:33	metal loss	YES	5	0.63	0.71		560	0.344	-5.11	
1479.39			874.6409	09:56	metal loss	YES	8	0.55	0.59		560	0.344	-5.11	
1479.40			874.6419	10:08	metal loss	YES	7	0.47	0.71		560	0.344	-5.12	
1479.43			874.6454	10:23	metal loss	YES	6	0.51	0.71		560	0.344	-5.15	

Client Plains All American
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24" LAS FLORES TO GAVIOTA

ROSOFT Anomaly

Inspection Technologies
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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1479.46			874.6485	09:03	metal loss	YES	5	0.63	0.55		560	0.344	-5.18	
1479.47			874.6502	10:42	metal loss	YES	6	0.55	0.67		560	0.344	-5.19	
1479.52			874.6551	09:07	metal loss	YES	6	0.67	0.59		560	0.344	-5.24	
1479.52			874.6551	10:58	metal loss	YES	5	0.39	0.71		560	0.344	-5.24	
1479.60			874.6636	10:53	metal loss	YES	5	0.35	0.71		560	0.344	-5.32	
1479.61			874.6647	10:13	metal loss	YES	5	0.51	0.71		560	0.344	-5.33	
1479.64			874.6676	09:08	metal loss	YES	5	0.63	0.59		560	0.344	-5.36	
1479.65			874.6685	10:23	metal loss	YES	5	1.18	0.71		560	0.344	-5.37	
1479.67			874.6708	09:33	metal loss	YES	5	1.18	0.71		560	0.344	-5.39	
1479.67			874.6708	09:53	metal loss	YES	5	0.51	1.10		560	0.344	-5.39	
1479.68			874.6716	10:18	metal loss	YES	8	0.39	0.71		560	0.344	-5.40	
1479.70			874.6741	09:43	metal loss	YES	6	0.63	0.71		560	0.344	-5.42	
1479.76			874.6799	09:03	metal loss	YES	6	0.51	0.71		560	0.344	-5.48	
1479.79			874.6827	09:43	metal loss	YES	5	0.39	0.71		560	0.344	-5.51	
1479.79			874.6831	10:23	metal loss	YES	5	0.39	0.71		560	0.344	-5.51	
1479.84			874.6884	09:29	metal loss	YES	6	0.63	0.83		560	0.344	-5.56	
1479.85			874.6890	09:43	metal loss	YES	7	0.67	0.71		560	0.344	-5.57	
1479.85			874.6892	09:53	metal loss	YES	6	0.51	0.71		560	0.344	-5.57	
1479.86			874.6908	10:13	metal loss	YES	7	0.47	0.71		560	0.344	-5.58	
1479.88			874.6928	10:23	metal loss	YES	5	0.59	0.71		560	0.344	-5.60	
1479.90			874.6949	10:45	metal loss	YES	5	0.71	0.79		560	0.344	-5.62	
1479.94			874.6992	09:59	metal loss	YES	7	0.51	0.63		560	0.344	-5.66	
1479.96			874.7009	09:43	metal loss	YES	6	0.63	0.71		560	0.344	-5.68	
1479.97			874.7024	09:31	metal loss	YES	7	0.55	0.71		560	0.344	-5.69	
1480.01			874.7060	10:13	metal loss	YES	5	0.55	0.71		560	0.344	-5.73	
1480.01			874.7062	10:29	metal loss	YES	6	0.39	0.75		560	0.344	-5.73	
1480.05			874.7103	10:23	metal loss	YES	5	0.51	0.71		560	0.344	-5.77	
1480.11			874.7166	09:33	metal loss	YES	5	0.43	0.71		560	0.344	-5.83	
1480.11			874.7168	09:45	metal loss	YES	5	0.67	0.94		560	0.344	-5.83	
1480.13			874.7188	10:23	metal loss	YES	8	0.47	0.71		560	0.344	-5.85	
1480.13			874.7190	10:03	metal loss	YES	9	0.67	0.55		560	0.344	-5.85	
1480.20			874.7265	09:43	metal loss	YES	6	0.51	0.71		560	0.344	-5.92	

Client Plains All American
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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)	(b) (7)(F)	ft				%	in	in			in	ft	%
1480.21	(b) (7)(F)	(b) (7)(F)	874.7275	10:13	metal loss	YES	5	0.39	0.71		560	0.344	-5.93	
1480.23	(b) (7)(F)	(b) (7)(F)	874.7298	10:28	metal loss	YES	6	0.91	0.87		560	0.344	-5.96	
1480.24	(b) (7)(F)	(b) (7)(F)	874.7301	10:03	metal loss	YES	5	0.51	0.71		560	0.344	-5.96	
1480.36	(b) (7)(F)	(b) (7)(F)	874.7430	10:18	metal loss	YES	5	0.35	0.71		560	0.344	-6.08	
1480.46	(b) (7)(F)	(b) (7)(F)	874.7533	10:39	metal loss	YES	8	0.59	0.59		560	0.344	-6.18	
1480.47	(b) (7)(F)	(b) (7)(F)	874.7547	10:28	metal loss	YES	7	0.51	0.71		560	0.344	-6.19	
1480.49	(b) (7)(F)	(b) (7)(F)	874.7560	10:18	metal loss	YES	6	0.43	0.71		560	0.344	-6.21	
1480.60	(b) (7)(F)	(b) (7)(F)	874.7675	10:44	metal loss	YES	5	0.47	0.59		560	0.344	-6.32	
1480.62	(b) (7)(F)	(b) (7)(F)	874.7704	10:28	metal loss	YES	6	0.43	0.71		560	0.344	-6.34	
1480.64	(b) (7)(F)	(b) (7)(F)	874.7717	09:43	metal loss	YES	5	0.71	0.71		560	0.344	-6.36	
1480.64	(b) (7)(F)	(b) (7)(F)	874.7720	10:11	metal loss	YES	6	0.63	0.75		560	0.344	-6.36	
1480.65	(b) (7)(F)	(b) (7)(F)	874.7729	09:53	metal loss	YES	7	0.71	0.71		560	0.344	-6.37	
1480.70	(b) (7)(F)	(b) (7)(F)	874.7782	10:28	metal loss	YES	5	0.39	0.71		560	0.344	-6.42	
1480.70	(b) (7)(F)	(b) (7)(F)	874.7785	10:10	metal loss	YES	6	0.47	0.91		560	0.344	-6.42	
1480.74	(b) (7)(F)	(b) (7)(F)	874.7830	09:05	metal loss	YES	6	0.51	0.98		560	0.344	-6.46	
1480.75	(b) (7)(F)	(b) (7)(F)	874.7837	09:18	metal loss	YES	7	0.43	0.71		560	0.344	-6.47	
1481.13	(b) (7)(F)	(b) (7)(F)	874.8229	03:23	metal loss	YES	10	0.59	0.55		560	0.344	-6.85	
1481.25	(b) (7)(F)	(b) (7)(F)	874.8359	01:04	Cluster	YES	10	5.84	12.13		560	0.344	-6.97	
1481.25	(b) (7)(F)	(b) (7)(F)	874.8359	02:09	metal loss	YES	6	0.67	0.59		560	0.344	-6.97	
1481.26	(b) (7)(F)	(b) (7)(F)	874.8371	02:33	metal loss	YES	10	0.47	0.71		560	0.344	-6.98	
1481.38	(b) (7)(F)	(b) (7)(F)	874.8500	02:53	metal loss	YES	5	0.71	0.71		560	0.344	-7.11	
1481.39	(b) (7)(F)	(b) (7)(F)	874.8509	02:43	metal loss	YES	6	1.02	0.71		560	0.344	-7.11	
1481.40	(b) (7)(F)	(b) (7)(F)	874.8513	02:33	metal loss	YES	7	0.94	0.71		560	0.344	-7.12	
1481.40	(b) (7)(F)	(b) (7)(F)	874.8521	02:23	metal loss	YES	5	0.91	0.71		560	0.344	-7.13	
1481.42	(b) (7)(F)	(b) (7)(F)	874.8534	02:01	metal loss	YES	5	0.67	0.91		560	0.344	-7.14	
1481.42	(b) (7)(F)	(b) (7)(F)	874.8536	01:43	metal loss	YES	5	0.47	0.71		560	0.344	-7.14	
1481.44	(b) (7)(F)	(b) (7)(F)	874.8554	01:04	metal loss	YES	5	0.51	0.71		560	0.344	-7.16	
1481.44	(b) (7)(F)	(b) (7)(F)	874.8562	01:23	metal loss	YES	5	0.51	0.71		560	0.344	-7.16	
1481.44	(b) (7)(F)	(b) (7)(F)	874.8564	01:33	metal loss	YES	8	0.47	0.55		560	0.344	-7.17	
1481.53	(b) (7)(F)	(b) (7)(F)	874.8652	02:28	metal loss	YES	5	0.87	0.71		560	0.344	-7.25	
1481.54	(b) (7)(F)	(b) (7)(F)	874.8663	02:03	metal loss	YES	6	0.59	0.71		560	0.344	-7.26	
1481.54	(b) (7)(F)	(b) (7)(F)	874.8667	02:13	metal loss	YES	6	0.67	0.71		560	0.344	-7.27	

Client Plains All American
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ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1481.60			874.8727	02:44	metal loss	YES	6	0.51	0.59		560	0.344	-7.32	
1481.65			874.8782	02:08	metal loss	YES	6	0.98	0.55		560	0.344	-7.38	
1481.66			874.8792	02:28	metal loss	YES	5	0.75	0.71		560	0.344	-7.38	
1481.69			874.8817	02:41	metal loss	YES	5	0.51	0.55		560	0.344	-7.41	
1488.59			875.6039	09:19	metal loss	YES	10	0.51	0.63		560	0.344	-14.31	
1494.04			876.1739	08:52	Cluster	YES	11	20.58	12.23		560	0.344	-19.76	
1494.04			876.1739	10:42	metal loss	YES	5	0.47	0.71		560	0.344	-19.76	
1494.07			876.1775	09:57	metal loss	YES	7	0.51	0.55		560	0.344	-19.79	
1494.12			876.1819	10:32	metal loss	YES	7	0.43	0.71		560	0.344	-19.84	
1494.13			876.1831	10:10	metal loss	YES	6	0.47	0.98		560	0.344	-19.85	
1494.16			876.1864	10:27	metal loss	YES	6	0.39	0.71		560	0.344	-19.88	
1494.19			876.1902	10:32	metal loss	YES	10	0.51	0.71		560	0.344	-19.92	
1494.29			876.2005	09:57	metal loss	YES	7	0.47	0.71		560	0.344	19.98	
1494.30			876.2016	09:40	metal loss	YES	7	0.47	0.59		560	0.344	19.97	
1494.31			876.2019	10:10	metal loss	YES	5	0.63	0.94		560	0.344	19.96	
1494.35			876.2064	10:37	metal loss	YES	8	0.55	0.55		560	0.344	19.92	
1494.41			876.2123	10:07	metal loss	YES	7	0.63	0.71		560	0.344	19.86	
1494.45			876.2168	10:32	metal loss	YES	6	0.43	0.71		560	0.344	19.82	
1494.49			876.2216	09:47	metal loss	YES	5	0.59	0.71		560	0.344	19.78	
1494.52			876.2239	10:26	metal loss	YES	7	0.47	0.79		560	0.344	19.75	
1494.57			876.2295	10:42	metal loss	YES	5	0.47	0.71		560	0.344	19.70	
1494.60			876.2322	09:50	metal loss	YES	7	0.47	0.59		560	0.344	19.67	
1494.61			876.2333	10:02	metal loss	YES	7	0.35	0.55		560	0.344	19.66	
1494.62			876.2348	10:15	metal loss	YES	6	0.55	0.59		560	0.344	19.65	
1494.71			876.2438	09:12	metal loss	YES	5	0.51	0.71		560	0.344	19.56	
1494.71			876.2443	09:32	metal loss	YES	5	0.43	0.71		560	0.344	19.56	
1494.72			876.2448	09:57	metal loss	YES	5	0.39	0.71		560	0.344	19.55	
1494.73			876.2462	10:32	metal loss	YES	7	0.39	0.71		560	0.344	19.54	
1494.77			876.2504	10:04	metal loss	YES	6	0.47	0.63		560	0.344	19.50	
1494.78			876.2510	10:17	metal loss	YES	10	0.47	0.59		560	0.344	19.49	
1494.79			876.2520	10:32	metal loss	YES	7	0.47	0.71		560	0.344	19.48	
1494.80			876.2533	09:02	metal loss	YES	6	0.94	0.75		560	0.344	19.47	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1494.83			876.2565	08:52	metal loss	YES	5	0.47	0.71		560	0.344	19.44	
1494.93			876.2670	09:22	metal loss	YES	5	2.44	0.71		560	0.344	19.34	
1494.93			876.2671	10:17	metal loss	YES	7	0.51	0.71		560	0.344	19.34	
1494.96			876.2698	10:42	metal loss	YES	5	0.51	0.71		560	0.344	19.31	
1494.96			876.2704	10:32	metal loss	YES	6	0.43	0.71		560	0.344	19.31	
1494.98			876.2724	09:32	metal loss	YES	5	1.02	0.71		560	0.344	19.29	
1494.99			876.2732	08:57	metal loss	YES	7	0.75	0.55		560	0.344	19.28	
1495.06			876.2803	09:47	metal loss	YES	5	0.47	0.71		560	0.344	19.21	
1495.07			876.2817	10:23	metal loss	YES	5	0.71	0.98		560	0.344	19.20	
1495.07			876.2820	10:12	metal loss	YES	5	0.59	0.71		560	0.344	19.20	
1495.13			876.2883	09:01	metal loss	YES	5	0.71	0.87		560	0.344	19.14	
1495.16			876.2916	09:42	metal loss	YES	5	0.51	0.71		560	0.344	19.11	
1495.23			876.2988	09:10	metal loss	YES	5	1.50	0.55		560	0.344	19.04	
1495.24			876.2992	09:20	metal loss	YES	5	1.50	0.67		560	0.344	19.03	
1495.26			876.3013	10:09	metal loss	YES	5	0.47	0.71		560	0.344	19.01	
1495.27			876.3024	09:37	metal loss	YES	5	0.51	0.71		560	0.344	19.00	
1495.34			876.3098	09:57	metal loss	YES	5	0.43	0.55		560	0.344	18.93	
1495.34			876.3098	10:12	metal loss	YES	6	0.39	0.71		560	0.344	18.93	
1495.45			876.3218	10:02	metal loss	YES	5	0.75	0.71		560	0.344	18.82	
1495.50			876.3270	10:22	metal loss	YES	11	0.55	0.55		560	0.344	18.77	
1495.51			876.3282	10:07	metal loss	YES	5	0.47	0.71		560	0.344	18.76	
1495.56			876.3333	09:42	metal loss	YES	6	0.63	0.71		560	0.344	18.71	
1495.60			876.3372	09:37	metal loss	YES	5	0.51	0.71		560	0.344	18.67	
1495.70			876.3482	09:12	metal loss	YES	6	0.59	0.79		560	0.344	18.57	
1507.88			877.6284	01:14	Cluster	YES	10	7.00	7.88		560	0.344	6.39	
1507.88			877.6284	01:50	metal loss	YES	5	0.43	0.59		560	0.344	6.39	
1507.93			877.6342	02:22	metal loss	YES	5	1.30	0.79		560	0.344	6.34	
1507.95			877.6354	02:06	metal loss	YES	5	0.59	0.71		560	0.344	6.32	
1507.96			877.6370	01:31	metal loss	YES	5	0.63	0.71		560	0.344	6.31	
1507.99			877.6401	01:21	metal loss	YES	5	0.39	0.71		560	0.344	6.28	
1508.08			877.6498	02:11	metal loss	YES	7	0.51	0.71		560	0.344	6.19	
1508.09			877.6508	01:26	metal loss	YES	5	0.87	0.71		560	0.344	6.18	

Client Plains All American
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 Inspection Type EGP, CDG
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 ROSEN Line Name: 24" LAS-GAV

24" LAS FLORES TO GAVIOTA

ROSOFT Anomaly

Inspection Technologies
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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)	(b) (7)(F)	ft				%	in	in			in	ft	%
1508.14	(b) (7)(F)	(b) (7)(F)	877.6559	01:51	metal loss	YES	6	0.79	0.75		560	0.344	6.13	
1508.15	(b) (7)(F)	(b) (7)(F)	877.6570	01:14	metal loss	YES	5	0.39	0.71		560	0.344	6.12	
1508.21	(b) (7)(F)	(b) (7)(F)	877.6633	02:11	metal loss	YES	10	0.63	0.55		560	0.344	6.06	
1508.25	(b) (7)(F)	(b) (7)(F)	877.6672	01:56	metal loss	YES	5	0.59	0.55		560	0.344	6.02	
1508.34	(b) (7)(F)	(b) (7)(F)	877.6767	01:51	metal loss	YES	8	0.47	0.71		560	0.344	5.93	
1508.38	(b) (7)(F)	(b) (7)(F)	877.6812	01:41	metal loss	YES	5	0.43	0.71		560	0.344	5.89	
1508.42	(b) (7)(F)	(b) (7)(F)	877.6857	01:16	metal loss	YES	6	0.47	0.71		560	0.344	5.85	
1510.97	(b) (7)(F)	(b) (7)(F)	877.9545	02:04	metal loss	YES	5	0.55	0.59		560	0.344	3.30	
1510.97	(b) (7)(F)	(b) (7)(F)	877.9545	01:46	Cluster	YES	11	4.04	6.24		560	0.344	3.30	
1510.99	(b) (7)(F)	(b) (7)(F)	877.9563	02:39	metal loss	YES	6	1.02	0.67		560	0.344	3.28	
1511.02	(b) (7)(F)	(b) (7)(F)	877.9592	02:26	metal loss	YES	11	0.63	0.55		560	0.344	3.25	
1511.07	(b) (7)(F)	(b) (7)(F)	877.9648	01:46	metal loss	YES	5	0.47	0.71		560	0.344	3.20	
1511.13	(b) (7)(F)	(b) (7)(F)	877.9711	02:36	metal loss	YES	6	0.47	0.71		560	0.344	3.14	
1511.24	(b) (7)(F)	(b) (7)(F)	877.9828	02:26	metal loss	YES	5	0.83	0.71		560	0.344	3.03	
1512.30	(b) (7)(F)	(b) (7)(F)	878.0946	09:43	Cluster	YES	10	4.52	6.97		560	0.344	1.97	
1512.30	(b) (7)(F)	(b) (7)(F)	878.0946	10:13	metal loss	YES	8	0.55	0.71		560	0.344	1.97	
1512.32	(b) (7)(F)	(b) (7)(F)	878.0968	10:23	metal loss	YES	8	0.47	0.71		560	0.344	1.95	
1512.36	(b) (7)(F)	(b) (7)(F)	878.1009	09:56	metal loss	YES	6	0.63	0.79		560	0.344	1.91	
1512.36	(b) (7)(F)	(b) (7)(F)	878.1011	09:43	metal loss	YES	7	0.43	0.71		560	0.344	1.91	
1512.46	(b) (7)(F)	(b) (7)(F)	878.1113	10:18	metal loss	YES	5	0.63	0.71		560	0.344	1.81	
1512.52	(b) (7)(F)	(b) (7)(F)	878.1178	10:28	metal loss	YES	5	0.51	0.71		560	0.344	1.75	
1512.55	(b) (7)(F)	(b) (7)(F)	878.1210	10:43	metal loss	YES	5	0.63	0.71		560	0.344	1.72	
1512.63	(b) (7)(F)	(b) (7)(F)	878.1295	10:28	metal loss	YES	6	0.55	0.71		560	0.344	1.64	
1512.63	(b) (7)(F)	(b) (7)(F)	878.1298	10:17	metal loss	YES	10	0.51	0.63		560	0.344	1.64	
1517.65	(b) (7)(F)	(b) (7)(F)	878.6589	01:33	Cluster	YES	10	12.73	8.61		570	0.344	-3.38	
1517.65	(b) (7)(F)	(b) (7)(F)	878.6589	01:48	metal loss	YES	5	0.71	0.71		570	0.344	-3.38	
1517.66	(b) (7)(F)	(b) (7)(F)	878.6594	02:23	metal loss	YES	8	0.75	0.71		570	0.344	-3.39	
1517.69	(b) (7)(F)	(b) (7)(F)	878.6630	02:13	metal loss	YES	6	0.51	0.71		570	0.344	-3.42	
1517.74	(b) (7)(F)	(b) (7)(F)	878.6683	02:45	metal loss	YES	6	0.55	0.63		570	0.344	-3.47	
1517.80	(b) (7)(F)	(b) (7)(F)	878.6746	02:03	metal loss	YES	5	0.63	0.71		570	0.344	-3.53	
1517.82	(b) (7)(F)	(b) (7)(F)	878.6761	02:33	metal loss	YES	5	1.38	0.71		570	0.344	-3.55	
1517.82	(b) (7)(F)	(b) (7)(F)	878.6762	02:18	metal loss	YES	6	1.34	0.71		570	0.344	-3.55	

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ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1517.82			878.6769	02:38	metal loss	YES	5	1.58	0.71		570	0.344	-3.55	
1517.83			878.6781	02:48	metal loss	YES	10	0.67	0.55		570	0.344	-3.56	
1517.86			878.6812	02:05	metal loss	YES	6	0.67	0.59		570	0.344	-3.59	
1517.97			878.6928	01:58	metal loss	YES	5	0.63	0.71		570	0.344	-3.70	
1517.99			878.6944	02:18	metal loss	YES	5	1.73	0.71		570	0.344	-3.72	
1518.00			878.6952	01:48	metal loss	YES	5	0.67	0.71		570	0.344	-3.73	
1518.00			878.6957	02:38	metal loss	YES	6	0.59	0.71		570	0.344	-3.73	
1518.04			878.6999	02:03	metal loss	YES	5	0.71	0.71		570	0.344	-3.77	
1518.06			878.7021	01:58	metal loss	YES	5	0.71	0.71		570	0.344	-3.79	
1518.07			878.7026	01:46	metal loss	YES	7	0.39	0.59		570	0.344	-3.80	
1518.09			878.7054	01:33	metal loss	YES	6	0.55	0.71		570	0.344	-3.82	
1518.14			878.7100	02:29	metal loss	YES	9	0.67	0.59		570	0.344	-3.87	
1518.16			878.7126	02:03	metal loss	YES	5	0.71	0.71		570	0.344	-3.89	
1518.28			878.7244	02:18	metal loss	YES	6	1.14	0.59		570	0.344	-4.01	
1518.28			878.7252	02:45	metal loss	YES	7	1.97	0.98		570	0.344	-4.01	
1518.31			878.7276	02:33	metal loss	YES	6	0.51	0.71		570	0.344	-4.04	
1518.38			878.7355	02:18	metal loss	YES	7	0.55	0.71		570	0.344	-4.11	
1518.41			878.7387	01:02	Cluster	YES	10	10.87	6.70		570	0.344	-4.14	
1518.41			878.7387	01:33	metal loss	YES	5	0.43	0.71		570	0.344	-4.14	
1518.44			878.7415	02:28	metal loss	YES	5	1.69	0.71		570	0.344	-4.17	
1518.48			878.7455	01:13	metal loss	YES	6	0.43	0.71		570	0.344	-4.21	
1518.50			878.7477	01:23	metal loss	YES	5	0.47	0.71		570	0.344	-4.23	
1518.50			878.7484	02:03	metal loss	YES	5	0.71	0.87		570	0.344	-4.23	
1518.51			878.7488	02:48	metal loss	YES	5	0.59	0.71		570	0.344	-4.24	
1518.54			878.7518	01:03	metal loss	YES	6	0.51	0.71		570	0.344	-4.27	
1518.54			878.7520	01:50	metal loss	YES	5	0.63	0.63		570	0.344	-4.27	
1518.62			878.7603	02:32	metal loss	YES	5	1.14	0.63		570	0.344	-4.35	
1518.62			878.7611	02:13	metal loss	YES	5	0.83	0.59		570	0.344	-4.35	
1518.66			878.7651	01:22	metal loss	YES	5	0.43	0.75		570	0.344	-4.39	
1518.69			878.7684	01:43	metal loss	YES	5	0.67	0.59		570	0.344	-4.42	
1518.73			878.7719	01:16	metal loss	YES	10	0.47	0.59		570	0.344	-4.46	
1518.78			878.7771	01:02	metal loss	YES	5	0.39	0.63		570	0.344	-4.51	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1518.79			878.7789	01:58	metal loss	YES	6	0.83	0.87		570	0.344	-4.52	
1518.86			878.7856	01:21	metal loss	YES	5	0.55	0.75		570	0.344	-4.59	
1518.93			878.7931	01:12	metal loss	YES	5	0.75	0.59		570	0.344	-4.66	
1518.93			878.7937	01:28	metal loss	YES	5	0.47	0.71		570	0.344	-4.66	
1519.01			878.8014	01:13	metal loss	YES	6	0.67	0.71		570	0.344	-4.74	
1519.04			878.8052	01:03	metal loss	YES	5	0.39	0.71		570	0.344	-4.77	
1519.13			878.8141	01:28	metal loss	YES	5	0.55	0.71		570	0.344	-4.86	
1519.17			878.8184	01:13	metal loss	YES	5	0.63	0.71		570	0.344	-4.90	
1519.28			878.8297	01:13	metal loss	YES	5	0.47	0.71		570	0.344	-5.01	
1542.43			881.2638	01:47	Cluster	YES	10	6.01	5.80		570	0.344	11.87	
1542.43			881.2638	01:49	metal loss	YES	5	0.67	0.71		570	0.344	11.87	
1542.45			881.2653	02:06	metal loss	YES	5	0.75	1.10		570	0.344	11.86	
1542.45			881.2655	01:59	metal loss	YES	7	0.67	0.71		570	0.344	11.85	
1542.54			881.2752	02:34	metal loss	YES	6	0.43	0.71		570	0.344	11.76	
1542.60			881.2807	01:49	metal loss	YES	5	0.51	0.71		570	0.344	11.71	
1542.64			881.2855	02:37	metal loss	YES	5	1.58	0.59		570	0.344	11.66	
1542.68			881.2902	02:20	metal loss	YES	10	0.79	0.59		570	0.344	11.62	
1542.71			881.2928	02:09	metal loss	YES	7	0.71	0.71		570	0.344	11.59	
1542.74			881.2956	01:47	metal loss	YES	6	0.67	0.75		570	0.344	11.57	
1542.84			881.3061	02:29	metal loss	YES	5	1.18	0.71		570	0.344	11.47	
1553.88			882.4519	10:11	Cluster	YES	10	4.56	8.27		570	0.344	0.42	
1553.88			882.4519	11:09	metal loss	YES	6	0.47	0.71		570	0.344	0.42	
1553.89			882.4531	11:24	metal loss	YES	5	0.63	0.71		570	0.344	0.41	
1553.91			882.4548	10:34	metal loss	YES	5	1.14	0.71		570	0.344	0.40	
1553.94			882.4584	10:49	metal loss	YES	8	0.63	0.71		570	0.344	0.36	
1554.08			882.4728	10:11	metal loss	YES	7	0.55	0.63		570	0.344	0.22	
1554.08			882.4728	10:40	metal loss	YES	10	0.51	0.67		570	0.344	0.22	
1554.17			882.4818	11:03	metal loss	YES	5	1.06	0.75		570	0.344	0.13	
1560.05			883.0800	09:56	metal loss	YES	11	0.75	0.55		580	0.344	-5.75	
1563.79			883.4539	10:26	Cluster	YES	10	10.93	6.66		580	0.344	-9.49	
1563.79			883.4539	10:46	metal loss	YES	5	0.63	0.71		580	0.344	-9.49	
1563.86			883.4605	10:26	metal loss	YES	5	0.59	0.71		580	0.344	-9.55	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1563.86			883.4607	10:41	metal loss	YES	6	0.83	0.91		580	0.344	-9.55	
1563.97			883.4724	10:46	metal loss	YES	10	0.63	0.59		580	0.344	-9.67	
1564.09			883.4840	10:43	metal loss	YES	8	0.71	0.87		580	0.344	-9.79	
1564.21			883.4961	11:07	metal loss	YES	6	0.63	0.63		580	0.344	-9.91	
1564.29			883.5042	11:18	metal loss	YES	7	0.63	0.71		580	0.344	-9.99	
1564.32			883.5072	10:58	metal loss	YES	5	0.79	0.71		580	0.344	-10.02	
1564.35			883.5094	10:43	metal loss	YES	8	0.75	0.71		580	0.344	-10.04	
1564.36			883.5113	10:28	metal loss	YES	5	0.75	0.71		580	0.344	-10.06	
1564.43			883.5177	11:18	metal loss	YES	5	0.55	0.71		580	0.344	-10.12	
1564.52			883.5265	11:07	metal loss	YES	8	0.59	0.63		580	0.344	-10.21	
1564.53			883.5281	11:23	metal loss	YES	5	0.55	0.71		580	0.344	-10.23	
1564.66			883.5409	11:08	metal loss	YES	5	0.47	0.71		580	0.344	-10.36	
1564.66			883.5410	11:23	metal loss	YES	6	0.47	0.71		580	0.344	-10.36	
1571.84			884.2396	10:40	Cluster	YES	11	4.52	3.33		580	0.344	-17.53	
1571.84			884.2396	10:50	metal loss	YES	11	0.59	0.71		580	0.344	-17.53	
1571.94			884.2499	10:50	metal loss	YES	8	0.67	0.71		580	0.344	-17.64	
1571.94			884.2500	11:05	metal loss	YES	6	0.51	0.71		580	0.344	-17.64	
1572.06			884.2611	10:50	metal loss	YES	8	0.67	0.71		580	0.344	-17.76	
1572.16			884.2703	10:40	metal loss	YES	6	0.67	0.71		580	0.344	-17.85	
1575.87			884.6258	10:35	Cluster	YES	15	7.39	6.91		580	0.344	18.43	
1575.87			884.6258	10:40	metal loss	YES	15	0.59	0.55		580	0.344	18.43	
1575.91			884.6296	11:20	metal loss	YES	5	0.55	0.71		580	0.344	18.39	
1575.93			884.6321	11:00	metal loss	YES	5	0.63	0.71		580	0.344	18.37	
1576.03			884.6411	11:23	metal loss	YES	6	0.47	0.55		580	0.344	18.27	
1576.04			884.6424	11:10	metal loss	YES	5	0.55	0.71		580	0.344	18.26	
1576.10			884.6486	11:05	metal loss	YES	6	0.55	0.55		580	0.344	18.19	
1576.23			884.6604	11:35	metal loss	YES	6	0.39	0.71		580	0.344	18.07	
1576.23			884.6606	11:00	metal loss	YES	6	0.59	0.71		580	0.344	18.07	
1576.25			884.6630	11:20	metal loss	YES	7	0.43	0.71		580	0.344	18.04	
1576.29			884.6664	10:45	metal loss	YES	5	0.47	0.71		580	0.344	18.01	
1576.35			884.6719	10:35	metal loss	YES	8	0.87	0.55		580	0.344	17.95	
1576.40			884.6767	10:54	metal loss	YES	5	0.55	1.22		580	0.344	17.90	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1576.43			884.6804	10:45	metal loss	YES	6	0.55	0.71		580	0.344	17.86	
1576.44			884.6806	11:10	metal loss	YES	5	0.39	0.71		580	0.344	17.86	
1582.01			885.2172	10:37	metal loss	YES	10	0.79	0.71		580	0.344	12.29	
1582.01			885.2172	10:37	Cluster	YES	10	3.26	4.34		580	0.344	12.29	
1582.11			885.2264	10:37	metal loss	YES	9	0.55	0.71		580	0.344	12.19	
1582.16			885.2316	10:57	metal loss	YES	5	0.43	0.71		580	0.344	12.14	
1582.23			885.2386	10:47	metal loss	YES	5	0.55	0.71		580	0.344	12.06	
1582.24			885.2396	11:12	metal loss	YES	7	0.47	0.71		580	0.344	12.05	
1584.15			885.4233	10:35	Cluster	YES	14	3.89	3.14		580	0.344	10.15	
1584.15			885.4233	10:52	metal loss	YES	5	0.55	0.71		580	0.344	10.15	
1584.15			885.4234	10:39	metal loss	YES	6	0.63	0.83		580	0.344	10.15	
1584.17			885.4252	11:00	metal loss	YES	6	0.59	0.59		580	0.344	10.13	
1584.24			885.4317	10:37	metal loss	YES	5	1.38	0.71		580	0.344	10.06	
1584.39			885.4461	10:54	metal loss	YES	14	0.83	0.67		580	0.344	9.91	
1584.39			885.4462	10:35	metal loss	YES	8	1.02	0.79		580	0.344	9.91	
1584.61			885.4672	10:37	Cluster	YES	11	13.44	6.97		580	0.344	9.69	
1584.61			885.4672	11:28	metal loss	YES	6	0.63	0.55		580	0.344	9.69	
1584.71			885.4777	11:07	metal loss	YES	6	0.51	0.59		580	0.344	9.58	
1584.77			885.4834	10:46	metal loss	YES	5	0.55	1.50		580	0.344	9.52	
1584.85			885.4908	10:52	metal loss	YES	7	1.14	0.71		580	0.344	9.45	
1584.86			885.4917	10:37	metal loss	YES	8	0.87	0.59		580	0.344	9.44	
1584.87			885.4923	11:03	metal loss	YES	11	0.63	0.59		580	0.344	9.43	
1584.88			885.4936	11:24	metal loss	YES	8	0.71	0.55		580	0.344	9.42	
1584.96			885.5012	10:52	metal loss	YES	7	0.63	0.71		580	0.344	9.34	
1585.00			885.5055	10:37	metal loss	YES	5	0.55	0.71		580	0.344	9.29	
1585.02			885.5075	10:52	metal loss	YES	7	0.51	0.71		580	0.344	9.27	
1585.12			885.5172	10:48	metal loss	YES	5	0.47	0.87		580	0.344	9.17	
1585.14			885.5189	11:22	metal loss	YES	5	0.67	0.71		580	0.344	9.15	
1585.18			885.5229	10:45	metal loss	YES	5	0.55	0.71		580	0.344	9.11	
1585.21			885.5258	11:12	metal loss	YES	5	0.39	0.71		580	0.344	9.08	
1585.25			885.5296	11:37	metal loss	YES	6	0.67	0.71		580	0.344	9.04	
1585.27			885.5313	10:52	metal loss	YES	5	0.63	0.71		580	0.344	9.03	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)	(b) (7)(F)	ft				%	in	in			in	ft	%
1585.31	(b) (7)(F)	(b) (7)(F)	885.5349	11:17	metal loss	YES	5	0.59	0.71		580	0.344	8.99	
1585.34	(b) (7)(F)	(b) (7)(F)	885.5380	10:51	metal loss	YES	8	0.71	0.71		580	0.344	8.96	
1585.37	(b) (7)(F)	(b) (7)(F)	885.5405	10:37	metal loss	YES	8	0.91	0.71		580	0.344	8.93	
1585.41	(b) (7)(F)	(b) (7)(F)	885.5445	11:07	metal loss	YES	6	0.47	0.71		580	0.344	8.89	
1585.52	(b) (7)(F)	(b) (7)(F)	885.5553	10:52	metal loss	YES	5	1.73	0.71		580	0.344	8.78	
1585.54	(b) (7)(F)	(b) (7)(F)	885.5569	11:02	metal loss	YES	6	0.63	0.71		580	0.344	8.76	
1585.54	(b) (7)(F)	(b) (7)(F)	885.5571	11:17	metal loss	YES	6	0.63	0.71		580	0.344	8.76	
1585.55	(b) (7)(F)	(b) (7)(F)	885.5581	11:27	metal loss	YES	6	0.59	0.71		580	0.344	8.75	
1585.62	(b) (7)(F)	(b) (7)(F)	885.5651	11:36	metal loss	YES	5	0.39	0.55		580	0.344	8.67	
1585.68	(b) (7)(F)	(b) (7)(F)	885.5707	10:45	metal loss	YES	7	0.55	0.79		580	0.344	8.62	
1587.53	(b) (7)(F)	(b) (7)(F)	885.7490	11:14	metal loss	YES	7	0.47	0.71		580	0.344	6.77	
1587.53	(b) (7)(F)	(b) (7)(F)	885.7490	10:14	Cluster	YES	10	4.07	6.97		580	0.344	6.77	
1587.56	(b) (7)(F)	(b) (7)(F)	885.7521	10:54	metal loss	YES	6	0.59	0.71		580	0.344	6.74	
1587.58	(b) (7)(F)	(b) (7)(F)	885.7539	10:39	metal loss	YES	7	0.71	0.71		580	0.344	6.72	
1587.63	(b) (7)(F)	(b) (7)(F)	885.7585	10:14	metal loss	YES	5	0.59	0.71		580	0.344	6.67	
1587.64	(b) (7)(F)	(b) (7)(F)	885.7599	10:54	metal loss	YES	7	0.51	0.71		580	0.344	6.66	
1587.65	(b) (7)(F)	(b) (7)(F)	885.7613	11:09	metal loss	YES	5	0.55	0.71		580	0.344	6.64	
1587.66	(b) (7)(F)	(b) (7)(F)	885.7615	10:39	metal loss	YES	5	1.10	0.71		580	0.344	6.64	
1587.78	(b) (7)(F)	(b) (7)(F)	885.7734	11:09	metal loss	YES	7	1.06	0.71		580	0.344	6.52	
1587.81	(b) (7)(F)	(b) (7)(F)	885.7765	10:44	metal loss	YES	10	0.67	0.71		580	0.344	6.49	
1593.80	(b) (7)(F)	(b) (7)(F)	886.3610	09:06	Cluster	YES	10	5.50	16.65		580	0.344	0.50	
1593.80	(b) (7)(F)	(b) (7)(F)	886.3610	10:17	metal loss	YES	5	0.47	0.55		580	0.344	0.50	
1593.82	(b) (7)(F)	(b) (7)(F)	886.3629	10:24	metal loss	YES	9	3.23	0.71		580	0.344	0.48	
1593.83	(b) (7)(F)	(b) (7)(F)	886.3640	10:44	metal loss	YES	10	2.87	0.71		580	0.344	0.47	
1593.84	(b) (7)(F)	(b) (7)(F)	886.3648	10:39	metal loss	YES	7	2.64	0.71		580	0.344	0.46	
1593.85	(b) (7)(F)	(b) (7)(F)	886.3658	10:34	metal loss	YES	7	2.40	0.71		580	0.344	0.45	
1593.87	(b) (7)(F)	(b) (7)(F)	886.3677	09:06	metal loss	YES	7	3.39	0.75		580	0.344	0.43	
1593.89	(b) (7)(F)	(b) (7)(F)	886.3696	09:41	metal loss	YES	5	1.18	1.14		580	0.344	0.41	
1593.89	(b) (7)(F)	(b) (7)(F)	886.3698	10:01	metal loss	YES	5	1.58	1.81		580	0.344	0.41	
1593.90	(b) (7)(F)	(b) (7)(F)	886.3712	09:29	metal loss	YES	7	0.71	0.71		580	0.344	0.39	
1593.92	(b) (7)(F)	(b) (7)(F)	886.3725	09:14	metal loss	YES	7	0.75	0.71		580	0.344	0.38	
1593.92	(b) (7)(F)	(b) (7)(F)	886.3729	11:04	metal loss	YES	5	2.68	0.71		580	0.344	0.38	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)	(b) (7)(F)	ft				%	in	in			in	ft	%
1593.96	(b) (7)(F)	(b) (7)(F)	886.3767	11:14	metal loss	YES	5	0.63	0.71		580	0.344	0.34	
1593.99	(b) (7)(F)	(b) (7)(F)	886.3793	09:18	metal loss	YES	5	1.26	0.79		580	0.344	0.31	
1594.02	(b) (7)(F)	(b) (7)(F)	886.3826	10:54	metal loss	YES	6	0.55	0.71		580	0.344	0.28	
1594.04	(b) (7)(F)	(b) (7)(F)	886.3844	11:19	metal loss	YES	5	0.94	0.71		580	0.344	0.26	
1594.08	(b) (7)(F)	(b) (7)(F)	886.3882	11:35	metal loss	YES	7	0.63	1.02		580	0.344	0.22	
1594.09	(b) (7)(F)	(b) (7)(F)	886.3895	10:49	metal loss	YES	6	0.47	0.71		580	0.344	0.21	
1594.15	(b) (7)(F)	(b) (7)(F)	886.3954	10:18	metal loss	YES	7	0.87	0.59		580	0.344	0.14	
1594.16	(b) (7)(F)	(b) (7)(F)	886.3960	10:31	metal loss	YES	6	0.87	0.67		580	0.344	0.14	
1594.19	(b) (7)(F)	(b) (7)(F)	886.3997	10:47	metal loss	YES	5	0.63	1.65		580	0.344	0.10	
1594.20	(b) (7)(F)	(b) (7)(F)	886.3998	11:09	metal loss	YES	5	0.71	0.71		580	0.344	0.10	
1595.00	(b) (7)(F)	(b) (7)(F)	886.4780	08:21	Cluster	YES	14	5.10	20.55		590	0.344	-0.70	
1595.00	(b) (7)(F)	(b) (7)(F)	886.4780	09:26	metal loss	YES	5	3.46	1.26		590	0.344	-0.70	
1595.02	(b) (7)(F)	(b) (7)(F)	886.4806	09:01	metal loss	YES	5	2.79	1.77		590	0.344	-0.73	
1595.03	(b) (7)(F)	(b) (7)(F)	886.4807	11:17	metal loss	YES	5	3.42	0.71		590	0.344	-0.73	
1595.06	(b) (7)(F)	(b) (7)(F)	886.4841	11:04	metal loss	YES	5	1.14	0.71		590	0.344	-0.76	
1595.10	(b) (7)(F)	(b) (7)(F)	886.4876	10:01	metal loss	YES	6	0.94	5.43		590	0.344	-0.80	
1595.10	(b) (7)(F)	(b) (7)(F)	886.4877	08:21	metal loss	YES	14	1.06	3.11		590	0.344	-0.80	
1595.10	(b) (7)(F)	(b) (7)(F)	886.4883	06:57	metal loss	YES	20	1.18	6.34		590	0.344	-0.81	
1595.15	(b) (7)(F)	(b) (7)(F)	886.4927	11:04	metal loss	YES	5	0.79	0.71		590	0.344	-0.85	
1595.22	(b) (7)(F)	(b) (7)(F)	886.4998	11:04	metal loss	YES	6	0.51	0.71		590	0.344	-0.92	
1595.22	(b) (7)(F)	(b) (7)(F)	886.5002	11:31	metal loss	YES	5	0.43	0.59		590	0.344	-0.93	
1595.23	(b) (7)(F)	(b) (7)(F)	886.5009	10:48	metal loss	YES	10	0.55	0.59		590	0.344	-0.94	
1595.25	(b) (7)(F)	(b) (7)(F)	886.5023	10:29	metal loss	YES	8	0.55	0.71		590	0.344	-0.95	
1595.28	(b) (7)(F)	(b) (7)(F)	886.5058	10:29	metal loss	YES	6	0.59	0.71		590	0.344	-0.99	
1595.29	(b) (7)(F)	(b) (7)(F)	886.5069	09:59	metal loss	YES	5	0.51	0.71		590	0.344	-1.00	
1595.33	(b) (7)(F)	(b) (7)(F)	886.5102	10:17	metal loss	YES	6	1.14	0.71		590	0.344	-1.03	
1595.36	(b) (7)(F)	(b) (7)(F)	886.5135	10:04	metal loss	YES	7	0.59	0.71		590	0.344	-1.07	
1595.38	(b) (7)(F)	(b) (7)(F)	886.5158	10:39	metal loss	YES	5	0.35	0.71		590	0.344	-1.09	
1609.99	(b) (7)(F)	(b) (7)(F)	887.9465	12:24	metal loss	YES	10	0.67	0.59		590	0.344	-15.69	
1628.77	(b) (7)(F)	(b) (7)(F)	889.7887	10:29	metal loss	YES	5	0.55	0.71		590	0.344	5.63	
1628.77	(b) (7)(F)	(b) (7)(F)	889.7887	10:29	Cluster	YES	11	0.80	2.12		590	0.344	5.63	
1628.81	(b) (7)(F)	(b) (7)(F)	889.7918	10:43	metal loss	YES	11	0.43	0.59		590	0.344	5.60	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1634.38			890.3414	11:16	metal loss	YES	8	5.08	1.14		590	0.344	0.02	
1634.38			890.3414	09:54	Cluster	YES	10	5.09	11.10		590	0.344	0.02	
1634.41			890.3443	02:01	metal loss	YES	6	3.42	1.93		600	0.344	-0.01	
1634.41			890.3443	12:16	Cluster	YES	10	6.90	26.12		600	0.344	-0.01	
1634.43			890.3462	09:54	metal loss	YES	5	3.07	0.87		600	0.344	-0.03	
1634.44			890.3466	01:49	metal loss	YES	9	2.84	0.71		600	0.344	-0.03	
1634.45			890.3483	01:09	metal loss	YES	5	2.44	0.71		600	0.344	-0.05	
1634.46			890.3487	10:37	metal loss	YES	10	3.07	1.02		600	0.344	-0.06	
1634.46			890.3493	01:29	metal loss	YES	7	0.59	0.71		600	0.344	-0.06	
1634.47			890.3501	11:29	metal loss	YES	6	0.94	0.71		600	0.344	-0.07	
1634.48			890.3512	10:16	metal loss	YES	7	0.94	0.59		600	0.344	-0.08	
1634.50			890.3531	10:24	metal loss	YES	6	2.01	0.71		600	0.344	-0.10	
1634.51			890.3535	03:53	metal loss	YES	5	5.79	3.35		600	0.344	-0.10	
1634.52			890.3548	12:29	metal loss	YES	7	1.89	0.71		600	0.344	-0.12	
1634.56			890.3587	11:34	metal loss	YES	7	0.55	0.71		600	0.344	-0.16	
1634.57			890.3593	03:22	metal loss	YES	10	3.15	0.83		600	0.344	-0.16	
1634.57			890.3597	03:09	metal loss	YES	10	2.99	0.71		600	0.344	-0.17	
1634.57			890.3600	02:55	metal loss	YES	9	2.72	0.98		600	0.344	-0.17	
1634.58			890.3606	10:09	metal loss	YES	6	0.94	0.71		600	0.344	-0.18	
1634.59			890.3619	12:16	metal loss	YES	6	0.71	1.06		600	0.344	-0.19	
1634.60			890.3632	12:44	metal loss	YES	8	0.87	0.55		600	0.344	-0.20	
1634.62			890.3643	02:34	metal loss	YES	7	1.50	0.71		600	0.344	-0.21	
1634.64			890.3667	11:29	metal loss	YES	6	0.67	0.71		600	0.344	-0.24	
1634.65			890.3672	03:39	metal loss	YES	6	0.94	0.71		600	0.344	-0.24	
1634.69			890.3712	12:54	metal loss	YES	5	0.71	0.71		600	0.344	-0.28	
1634.71			890.3734	12:24	metal loss	YES	5	0.55	0.59		600	0.344	-0.31	
1634.73			890.3754	11:02	metal loss	YES	5	0.51	0.67		600	0.344	-0.33	
1634.74			890.3766	12:44	metal loss	YES	6	0.67	0.71		600	0.344	-0.34	
1634.75			890.3776	12:54	metal loss	YES	5	0.59	0.71		600	0.344	-0.35	
1635.31			890.4325	12:19	Cluster	YES	11	4.88	22.14		600	0.344	-0.91	
1635.31			890.4325	03:17	metal loss	YES	6	3.66	0.75		600	0.344	-0.91	
1635.32			890.4334	03:41	metal loss	YES	7	4.02	0.94		600	0.344	-0.91	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)	(b) (7)(F)	ft				%	in	in			in	ft	%
1635.33	(b) (7)(F)	(b) (7)(F)	890.4344	02:57	metal loss	YES	9	3.15	0.55		600	0.344	-0.92	
1635.34	(b) (7)(F)	(b) (7)(F)	890.4358	02:34	metal loss	YES	10	3.03	0.71		600	0.344	-0.94	
1635.39	(b) (7)(F)	(b) (7)(F)	890.4410	03:29	metal loss	YES	5	0.94	0.71		600	0.344	-0.99	
1635.40	(b) (7)(F)	(b) (7)(F)	890.4420	01:04	metal loss	YES	7	2.64	0.55		600	0.344	-1.00	
1635.41	(b) (7)(F)	(b) (7)(F)	890.4425	01:24	metal loss	YES	5	0.94	0.71		600	0.344	-1.01	
1635.41	(b) (7)(F)	(b) (7)(F)	890.4425	01:57	metal loss	YES	5	1.30	0.83		600	0.344	-1.01	
1635.41	(b) (7)(F)	(b) (7)(F)	890.4428	01:44	metal loss	YES	9	0.98	0.59		600	0.344	-1.01	
1635.43	(b) (7)(F)	(b) (7)(F)	890.4441	02:44	metal loss	YES	5	0.94	0.71		600	0.344	-1.02	
1635.43	(b) (7)(F)	(b) (7)(F)	890.4442	02:13	metal loss	YES	6	0.94	1.10		600	0.344	-1.02	
1635.44	(b) (7)(F)	(b) (7)(F)	890.4452	01:34	metal loss	YES	7	0.67	0.71		600	0.344	-1.03	
1635.46	(b) (7)(F)	(b) (7)(F)	890.4472	12:29	metal loss	YES	6	0.63	0.71		600	0.344	-1.06	
1635.46	(b) (7)(F)	(b) (7)(F)	890.4474	12:19	metal loss	YES	6	2.40	0.71		600	0.344	-1.06	
1635.47	(b) (7)(F)	(b) (7)(F)	890.4487	12:49	metal loss	YES	6	1.61	0.71		600	0.344	-1.07	
1635.51	(b) (7)(F)	(b) (7)(F)	890.4526	12:24	metal loss	YES	6	0.79	0.71		600	0.344	-1.11	
1635.52	(b) (7)(F)	(b) (7)(F)	890.4531	02:03	metal loss	YES	5	2.21	0.79		600	0.344	-1.12	
1635.52	(b) (7)(F)	(b) (7)(F)	890.4535	12:35	metal loss	YES	11	0.59	0.59		600	0.344	-1.12	
1635.65	(b) (7)(F)	(b) (7)(F)	890.4660	01:19	metal loss	YES	7	0.55	0.71		600	0.344	-1.25	
1635.66	(b) (7)(F)	(b) (7)(F)	890.4674	12:19	metal loss	YES	6	0.63	0.71		600	0.344	-1.26	
1673.93	(b) (7)(F)	(b) (7)(F)	894.1085	10:07	metal loss	YES	5	0.59	0.59		600	0.344	0.58	
1673.93	(b) (7)(F)	(b) (7)(F)	894.1085	09:27	Cluster	YES	11	6.30	11.71		600	0.344	0.58	
1674.02	(b) (7)(F)	(b) (7)(F)	894.1170	10:10	metal loss	YES	5	0.43	0.59		600	0.344	0.49	
1674.09	(b) (7)(F)	(b) (7)(F)	894.1229	10:32	metal loss	YES	5	0.47	0.71		600	0.344	0.42	
1674.09	(b) (7)(F)	(b) (7)(F)	894.1229	10:17	metal loss	YES	6	0.59	0.55		600	0.344	0.42	
1674.14	(b) (7)(F)	(b) (7)(F)	894.1277	10:46	metal loss	YES	5	0.63	0.55		600	0.344	0.37	
1674.15	(b) (7)(F)	(b) (7)(F)	894.1281	09:37	metal loss	YES	6	0.63	0.59		600	0.344	0.36	
1674.15	(b) (7)(F)	(b) (7)(F)	894.1288	09:27	metal loss	YES	5	0.63	0.71		600	0.344	0.35	
1674.17	(b) (7)(F)	(b) (7)(F)	894.1302	11:12	metal loss	YES	5	0.51	0.71		600	0.344	0.34	
1674.17	(b) (7)(F)	(b) (7)(F)	894.1304	09:47	metal loss	YES	5	0.63	0.71		600	0.344	0.34	
1674.18	(b) (7)(F)	(b) (7)(F)	894.1313	10:07	metal loss	YES	5	0.63	0.91		600	0.344	0.33	
1674.21	(b) (7)(F)	(b) (7)(F)	894.1342	10:22	metal loss	YES	5	0.39	0.71		600	0.344	0.29	
1674.22	(b) (7)(F)	(b) (7)(F)	894.1350	11:05	metal loss	YES	5	0.43	0.63		600	0.344	0.29	
1674.23	(b) (7)(F)	(b) (7)(F)	894.1353	10:32	metal loss	YES	5	0.47	0.71		600	0.344	0.28	

Client Plains All American
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24" LAS FLORES TO GAVIOTA

ROSOFT Anomaly

Inspection Technologies
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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1674.27			894.1393	10:47	metal loss	YES	6	0.75	0.71		600	0.344	0.24	
1674.28			894.1402	10:37	metal loss	YES	6	0.51	0.71		600	0.344	0.23	
1674.30			894.1419	10:27	metal loss	YES	5	0.47	0.71		600	0.344	0.21	
1674.37			894.1477	10:52	metal loss	YES	11	1.02	0.71		600	0.344	0.14	
1674.37			894.1480	10:06	metal loss	YES	6	0.67	1.81		600	0.344	0.14	
1674.38			894.1492	11:10	metal loss	YES	8	0.63	0.87		600	0.344	0.13	
1674.51			894.1603	09:47	Cluster	YES	10	5.08	12.73		600	0.344	0.00	
1674.51			894.1603	09:47	metal loss	YES	7	2.48	0.71		600	0.344	0.00	
1674.52			894.1616	10:07	metal loss	YES	9	1.93	0.71		610	0.344	-0.01	
1674.53			894.1627	09:56	metal loss	YES	7	1.85	0.87		610	0.344	-0.02	
1674.57			894.1656	10:53	metal loss	YES	8	0.75	0.79		610	0.344	-0.06	
1674.63			894.1709	11:12	metal loss	YES	5	2.44	0.71		610	0.344	-0.12	
1674.65			894.1729	10:55	metal loss	YES	7	2.05	0.55		610	0.344	-0.14	
1674.69			894.1767	11:32	metal loss	YES	6	0.87	0.71		610	0.344	-0.18	
1674.69			894.1767	10:27	metal loss	YES	5	0.51	0.71		610	0.344	-0.18	
1674.70			894.1773	10:45	metal loss	YES	10	0.47	0.55		610	0.344	-0.19	
1674.71			894.1784	11:02	metal loss	YES	8	0.51	0.71		610	0.344	-0.20	
1674.73			894.1800	11:42	metal loss	YES	8	0.67	0.71		610	0.344	-0.22	
1674.76			894.1832	10:17	metal loss	YES	5	0.51	0.71		610	0.344	-0.25	
1674.77			894.1842	10:52	metal loss	YES	5	0.43	0.71		610	0.344	-0.27	
1674.86			894.1919	10:42	metal loss	YES	7	0.59	0.55		610	0.344	-0.35	
1674.89			894.1942	10:32	metal loss	YES	5	0.51	0.71		610	0.344	-0.38	
1696.83			896.1156	12:20	metal loss	YES	11	0.67	0.59		610	0.344	17.67	
1696.83			896.1156	12:20	Cluster	YES	11	0.92	2.85		610	0.344	17.67	
1696.87			896.1183	12:42	metal loss	YES	5	0.55	0.55		610	0.344	17.64	
1714.09			897.5261	11:30	metal loss	YES	5	0.51	0.71		610	0.344	0.42	
1714.09			897.5261	09:52	Cluster	YES	11	5.06	11.94		610	0.344	0.42	
1714.11			897.5278	11:05	metal loss	YES	5	0.55	0.55		610	0.344	0.39	
1714.13			897.5289	10:14	metal loss	YES	6	0.79	0.71		610	0.344	0.38	
1714.14			897.5300	09:52	metal loss	YES	5	0.71	0.63		610	0.344	0.36	
1714.17			897.5316	10:45	metal loss	YES	5	0.71	0.71		610	0.344	0.34	
1714.18			897.5322	11:40	metal loss	YES	6	0.47	0.71		610	0.344	0.33	

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ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
1714.21			897.5348	10:35	metal loss	YES	8	3.54	0.87		610	0.344	0.29	
1714.22			897.5352	10:55	metal loss	YES	11	3.35	0.59		610	0.344	0.29	
1714.23			897.5357	10:02	metal loss	YES	5	0.94	0.59		610	0.344	0.28	
1714.26			897.5383	11:05	metal loss	YES	6	0.79	0.71		610	0.344	0.24	
1714.27			897.5385	10:47	metal loss	YES	7	0.83	0.59		610	0.344	0.24	
1714.31			897.5414	11:05	metal loss	YES	5	0.94	0.71		610	0.344	0.20	
1790.51			902.3065	11:17	metal loss	YES	10	0.51	0.55		630	0.344	3.92	
1790.51			902.3065	11:07	Cluster	YES	10	2.77	2.26		630	0.344	3.92	
1790.57			902.3095	11:22	metal loss	YES	7	0.43	0.71		630	0.344	3.86	
1790.69			902.3151	11:07	metal loss	YES	6	0.63	0.71		630	0.344	3.74	
2104.45			909.5225	11:59	metal loss	YES	13	0.51	0.59		720	0.344	-4.02	
2112.13			909.8410	11:55	metal loss	YES	6	0.75	0.71		720	0.344	-11.71	
2112.13			909.8410	11:54	Cluster	YES	10	2.84	2.81		720	0.344	-11.71	
2112.21			909.8443	12:14	metal loss	YES	10	1.89	0.71		720	0.344	-11.78	
2112.25			909.8459	11:54	metal loss	YES	6	1.30	0.98		720	0.344	-11.82	
2113.52			909.8994	06:42	metal loss	YES	14	0.79	0.71		720	0.344	-13.09	
2114.25			909.9303	11:06	metal loss	YES	10	1.34	0.79		720	0.344	-13.82	
2118.73			910.1192	06:09	Cluster	YES	13	2.03	3.02		720	0.344	-18.30	
2118.73			910.1192	06:09	metal loss	YES	8	1.42	0.67		720	0.344	-18.30	
2118.75			910.1200	06:32	metal loss	YES	5	0.75	0.55		720	0.344	-18.32	
2118.84			910.1241	06:23	metal loss	YES	13	0.63	1.06		720	0.344	-18.42	
2120.53			910.1957	12:49	metal loss	YES	10	0.35	0.71		720	0.344	19.93	
2121.87			910.2533	01:24	metal loss	YES	5	2.72	0.71		720	0.344	18.59	
2121.87			910.2533	12:44	Cluster	YES	11	2.93	4.88		720	0.344	18.59	
2121.96			910.2572	12:57	metal loss	YES	7	0.67	1.10		720	0.344	18.50	
2122.04			910.2606	12:54	metal loss	YES	7	0.83	0.71		720	0.344	18.42	
2122.07			910.2619	12:44	metal loss	YES	11	0.51	0.71		720	0.344	18.39	
2123.05			910.3039	04:56	metal loss	YES	12	0.75	0.83		720	0.344	17.41	
2124.09			910.3487	05:21	metal loss	YES	10	0.71	0.71		720	0.344	16.37	
2126.34			910.4453	06:03	metal loss	YES	11	0.79	1.14		720	0.344	14.12	
2126.98			910.4728	06:28	metal loss	YES	5	1.81	0.63		720	0.344	13.47	
2126.98			910.4728	06:06	Cluster	YES	22	1.81	2.98		720	0.344	13.47	

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ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
2127.03			910.4748	06:06	metal loss	YES	22	0.59	0.71		720	0.344	13.43	
2127.06			910.4760	06:58	Cluster	YES	11	2.38	2.05		720	0.344	13.40	
2127.06			910.4760	06:58	metal loss	YES	11	0.91	1.06		720	0.344	13.40	
2127.20			910.4820	07:11	metal loss	YES	5	0.71	0.71		720	0.344	13.26	
2136.49			910.9471	12:00	metal loss	YES	15	0.75	0.71		720	0.344	3.97	
2137.77			911.0257	11:17	Cluster	YES	12	4.24	4.38		720	0.344	2.69	
2137.77			911.0257	11:17	metal loss	YES	5	2.56	0.71		720	0.344	2.69	
2137.83			911.0298	11:42	metal loss	YES	5	0.94	0.71		720	0.344	2.63	
2137.94			911.0364	11:52	metal loss	YES	12	2.17	0.71		720	0.344	2.52	
2138.00			911.0398	11:20	metal loss	YES	6	0.94	0.59		720	0.344	2.46	
2139.38			911.1251	11:57	metal loss	YES	11	0.43	0.71		720	0.344	1.08	
2140.31			911.1823	04:47	metal loss	YES	12	0.67	0.71		720	0.344	0.15	
2146.34			911.5635	11:59	metal loss	YES	6	0.63	0.71		730	0.344	-5.88	
2146.34			911.5635	11:59	Cluster	YES	10	1.81	1.40		730	0.344	-5.88	
2146.42			911.5690	12:04	metal loss	YES	10	0.79	0.87		730	0.344	-5.96	
2148.19			911.6828	05:36	metal loss	YES	19	0.79	0.55		730	0.344	-7.73	
2150.44			911.8277	07:16	metal loss	YES	10	0.71	0.71		730	0.344	-9.98	
2153.51			912.0268	06:39	metal loss	YES	15	0.91	0.91		730	0.344	-13.06	
2157.49			912.2906	06:58	metal loss	YES	25	0.71	0.63		730	0.344	-17.03	
2159.58			912.4296	11:44	metal loss	YES	10	1.26	1.06		730	0.344	-19.12	
2161.08			912.5290	06:40	metal loss	YES	17	0.63	0.55		730	0.344	19.42	
2174.62			913.4560	06:31	metal loss	YES	12	0.87	0.91		730	0.344	5.88	
2176.77			913.6075	12:04	metal loss	YES	14	0.59	0.79		730	0.344	3.73	
2179.28			913.7847	04:34	metal loss	YES	10	0.59	0.71		730	0.344	1.22	
2179.45			913.7965	05:04	metal loss	YES	6	0.75	0.71		730	0.344	1.05	
2179.45			913.7965	05:04	Cluster	YES	11	2.76	4.38		730	0.344	1.05	
2179.49			913.7994	05:19	metal loss	YES	11	0.63	0.71		730	0.344	1.01	
2179.56			913.8044	05:34	metal loss	YES	5	1.42	0.71		730	0.344	0.94	
2179.57			913.8050	05:39	metal loss	YES	6	1.30	0.71		730	0.344	0.93	
2181.73			913.9577	05:17	metal loss	YES	12	1.61	0.83		740	0.344	-1.23	
2184.26			914.1366	12:11	metal loss	YES	10	0.51	0.71		740	0.344	-3.76	
2192.61			914.7337	07:18	metal loss	YES	12	0.59	0.71		740	0.344	-12.11	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
2194.13			914.8433	11:58	metal loss	YES	11	0.71	0.59		740	0.344	-13.63	
2218.72			916.6591	05:13	metal loss	YES	12	0.98	0.71		740	0.344	1.85	
2220.24			916.7737	05:23	Cluster	YES	16	3.12	2.77		740	0.344	0.33	
2220.24			916.7737	05:26	metal loss	YES	7	1.30	0.91		740	0.344	0.33	
2220.24			916.7741	06:19	metal loss	YES	11	0.91	0.59		740	0.344	0.32	
2220.43			916.7880	05:43	metal loss	YES	12	0.59	0.71		740	0.344	0.14	
2220.44			916.7893	05:23	metal loss	YES	16	0.63	0.71		740	0.344	0.12	
2222.85			916.9708	07:15	metal loss	YES	15	0.55	0.71		750	0.344	-2.29	
2226.67			917.2614	07:10	metal loss	YES	10	0.59	0.71		750	0.344	-6.11	
2226.72			917.2647	06:24	metal loss	YES	10	0.91	0.63		750	0.344	-6.15	
2227.98			917.3608	07:20	metal loss	YES	12	0.63	0.71		750	0.344	-7.41	
2228.80			917.4236	06:27	metal loss	YES	10	0.71	0.71		750	0.344	-8.24	
2233.04			917.7464	06:24	metal loss	YES	13	0.79	0.94		750	0.344	-12.48	
2233.17			917.7564	04:57	Cluster	YES	11	1.76	1.11		750	0.344	-12.61	
2233.17			917.7564	04:59	metal loss	YES	6	0.51	0.94		750	0.344	-12.61	
2233.26			917.7633	04:57	metal loss	YES	11	0.67	0.55		750	0.344	-12.70	
2234.36			917.8472	07:33	Cluster	YES	11	2.12	0.73		750	0.344	-13.80	
2234.36			917.8472	07:33	metal loss	YES	11	0.55	0.59		750	0.344	-13.80	
2234.49			917.8570	07:34	metal loss	YES	6	0.59	0.71		750	0.344	-13.93	
2234.69			917.8724	05:14	metal loss	YES	12	0.63	0.71		750	0.344	-14.13	
2235.25			917.9148	06:23	metal loss	YES	10	1.10	0.83		750	0.344	-14.68	
2238.90			918.1934	05:19	metal loss	YES	6	0.39	0.71		750	0.344	-18.33	
2238.90			918.1934	05:19	Cluster	YES	15	2.34	1.11		750	0.344	-18.33	
2238.97			918.1989	05:19	metal loss	YES	15	0.79	0.71		750	0.344	-18.40	
2239.04			918.2043	05:24	metal loss	YES	14	0.63	0.59		750	0.344	-18.47	
2241.20			918.3697	04:59	metal loss	YES	15	0.67	0.71		750	0.344	19.18	
2241.84			918.4186	05:26	metal loss	YES	12	0.59	0.71		750	0.344	18.54	
2243.92			918.5765	06:21	metal loss	YES	17	0.71	0.71		750	0.344	16.47	
2244.89			918.6503	06:11	metal loss	YES	11	0.75	0.63		750	0.344	15.49	
2247.01			918.8110	05:31	metal loss	YES	17	0.87	0.71		750	0.344	13.37	
2248.76			918.9430	06:26	metal loss	YES	16	0.63	0.59		750	0.344	11.63	
2249.29			918.9831	06:01	metal loss	YES	10	0.71	0.71		750	0.344	11.10	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)	(b) (7)(F)	ft				%	in	in			in	ft	%
2249.50	(b) (7)(F)	(b) (7)(F)	918.9989	06:28	metal loss	YES	11	0.71	0.71		750	0.344	10.89	
2253.91	(b) (7)(F)	(b) (7)(F)	919.3328	05:23	metal loss	YES	13	0.47	0.71		750	0.344	6.47	
2255.76	(b) (7)(F)	(b) (7)(F)	919.4699	05:25	Cluster	YES	18	1.94	0.69		750	0.344	4.63	
2255.76	(b) (7)(F)	(b) (7)(F)	919.4699	05:25	metal loss	YES	5	0.98	0.71		750	0.344	4.63	
2255.86	(b) (7)(F)	(b) (7)(F)	919.4777	05:25	metal loss	YES	18	0.67	0.55		750	0.344	4.52	
2257.41	(b) (7)(F)	(b) (7)(F)	919.5927	06:25	metal loss	YES	13	0.79	0.67		750	0.344	2.97	
2258.13	(b) (7)(F)	(b) (7)(F)	919.6460	05:15	metal loss	YES	11	0.87	0.71		750	0.344	2.26	
2258.13	(b) (7)(F)	(b) (7)(F)	919.6460	04:55	Cluster	YES	11	4.56	3.83		750	0.344	2.26	
2258.23	(b) (7)(F)	(b) (7)(F)	919.6535	05:25	metal loss	YES	8	0.71	0.71		750	0.344	2.16	
2258.34	(b) (7)(F)	(b) (7)(F)	919.6617	05:22	metal loss	YES	7	0.75	0.87		750	0.344	2.05	
2258.43	(b) (7)(F)	(b) (7)(F)	919.6684	05:21	metal loss	YES	5	0.94	0.63		750	0.344	1.95	
2258.46	(b) (7)(F)	(b) (7)(F)	919.6705	04:55	metal loss	YES	5	0.59	0.71		750	0.344	1.93	
2260.11	(b) (7)(F)	(b) (7)(F)	919.7917	05:32	Cluster	YES	15	3.11	3.31		750	0.344	0.27	
2260.11	(b) (7)(F)	(b) (7)(F)	919.7917	05:57	metal loss	YES	11	3.11	0.71		750	0.344	0.27	
2260.13	(b) (7)(F)	(b) (7)(F)	919.7931	05:32	metal loss	YES	6	0.71	0.71		750	0.344	0.25	
2260.21	(b) (7)(F)	(b) (7)(F)	919.7986	05:32	metal loss	YES	15	0.91	0.83		750	0.344	0.18	
2260.47	(b) (7)(F)	(b) (7)(F)	919.8172	05:57	metal loss	YES	5	1.58	0.71		760	0.344	-0.08	
2260.47	(b) (7)(F)	(b) (7)(F)	919.8172	05:35	Cluster	YES	13	1.57	4.48		760	0.344	-0.08	
2260.49	(b) (7)(F)	(b) (7)(F)	919.8193	05:35	metal loss	YES	13	0.63	0.98		760	0.344	-0.11	
2260.51	(b) (7)(F)	(b) (7)(F)	919.8204	06:12	metal loss	YES	10	0.79	0.55		760	0.344	-0.13	
2262.01	(b) (7)(F)	(b) (7)(F)	919.9293	07:07	metal loss	YES	10	0.67	0.71		760	0.344	-1.62	
2263.98	(b) (7)(F)	(b) (7)(F)	920.0726	05:57	metal loss	YES	6	0.94	0.71		760	0.344	-3.59	
2263.98	(b) (7)(F)	(b) (7)(F)	920.0726	05:57	Cluster	YES	13	1.66	0.69		760	0.344	-3.59	
2264.05	(b) (7)(F)	(b) (7)(F)	920.0778	05:57	metal loss	YES	13	0.79	0.71		760	0.344	-3.67	
2266.01	(b) (7)(F)	(b) (7)(F)	920.2201	11:47	metal loss	YES	10	0.47	0.71		760	0.344	-5.62	
2267.26	(b) (7)(F)	(b) (7)(F)	920.3112	06:03	metal loss	YES	10	0.79	0.59		760	0.344	-6.88	
2268.51	(b) (7)(F)	(b) (7)(F)	920.4023	05:25	metal loss	YES	12	0.55	0.71		760	0.344	-8.13	
2270.99	(b) (7)(F)	(b) (7)(F)	920.5809	06:27	Cluster	YES	10	1.86	1.43		760	0.344	-10.60	
2270.99	(b) (7)(F)	(b) (7)(F)	920.5809	06:35	metal loss	YES	10	1.85	0.55		760	0.344	-10.60	
2271.00	(b) (7)(F)	(b) (7)(F)	920.5822	06:27	metal loss	YES	7	1.65	0.71		760	0.344	-10.62	
2290.43	(b) (7)(F)	(b) (7)(F)	921.9339	05:30	Cluster	YES	10	3.88	0.71		760	0.344	10.02	
2290.43	(b) (7)(F)	(b) (7)(F)	921.9339	05:30	metal loss	YES	8	0.71	0.71		760	0.344	10.02	

Client Plains All American
 ROSEN Proj. No. 0-1000-10908
 Inspection Type EGP, CDG
 Inspection Date: June 19 2007
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 ROSEN Line Name: 24" LAS-GAV

24" LAS FLORES TO GAVIOTA

ROSOFT Anomaly

Inspection Technologies
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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)	(b) (7)(F)	ft				%	in	in			in	ft	%
2290.55	(b) (7)(F)	(b) (7)(F)	921.9422	05:30	metal loss	YES	10	0.67	0.71		760	0.344	9.90	
2290.65	(b) (7)(F)	(b) (7)(F)	921.9493	05:30	metal loss	YES	5	1.14	0.71		760	0.344	9.79	
2290.98	(b) (7)(F)	(b) (7)(F)	921.9714	05:42	metal loss	YES	6	1.30	0.55		760	0.344	9.46	
2290.98	(b) (7)(F)	(b) (7)(F)	921.9714	05:42	Cluster	YES	12	1.62	3.27		760	0.344	9.46	
2291.07	(b) (7)(F)	(b) (7)(F)	921.9772	06:07	metal loss	YES	12	0.59	0.71		760	0.344	9.38	
2300.05	(b) (7)(F)	(b) (7)(F)	922.5560	06:17	metal loss	YES	6	0.75	0.71		760	0.344	0.39	
2300.05	(b) (7)(F)	(b) (7)(F)	922.5560	05:52	Cluster	YES	15	4.56	4.34		760	0.344	0.39	
2300.11	(b) (7)(F)	(b) (7)(F)	922.5595	06:07	metal loss	YES	5	0.55	0.71		760	0.344	0.34	
2300.12	(b) (7)(F)	(b) (7)(F)	922.5602	04:08	metal loss	YES	8	3.62	1.38		760	0.344	0.33	
2300.12	(b) (7)(F)	(b) (7)(F)	922.5602	03:49	Cluster	YES	16	4.03	8.09		760	0.344	0.33	
2300.18	(b) (7)(F)	(b) (7)(F)	922.5639	04:32	metal loss	YES	16	3.19	1.34		760	0.344	0.27	
2300.19	(b) (7)(F)	(b) (7)(F)	922.5644	06:02	metal loss	YES	12	2.95	0.71		760	0.344	0.26	
2300.19	(b) (7)(F)	(b) (7)(F)	922.5649	05:52	metal loss	YES	15	2.24	0.71		760	0.344	0.25	
2300.20	(b) (7)(F)	(b) (7)(F)	922.5651	04:49	metal loss	YES	14	3.11	1.77		760	0.344	0.25	
2300.22	(b) (7)(F)	(b) (7)(F)	922.5667	06:25	metal loss	YES	15	0.94	0.91		760	0.344	0.22	
2300.32	(b) (7)(F)	(b) (7)(F)	922.5727	03:49	metal loss	YES	6	1.10	0.67		760	0.344	0.13	
2302.29	(b) (7)(F)	(b) (7)(F)	922.6964	05:47	metal loss	YES	13	0.67	0.71		770	0.344	-1.84	
2310.00	(b) (7)(F)	(b) (7)(F)	923.1627	06:09	metal loss	YES	10	1.02	0.87		770	0.344	0.84	
2310.53	(b) (7)(F)	(b) (7)(F)	923.1944	06:03	metal loss	YES	14	0.98	0.87		770	0.344	0.31	
2368.29	(b) (7)(F)	(b) (7)(F)	926.2914	05:46	metal loss	YES	7	0.59	0.71		800	0.344	-2.37	
2368.29	(b) (7)(F)	(b) (7)(F)	926.2914	05:40	Cluster	YES	13	5.62	5.97		800	0.344	-2.37	
2368.36	(b) (7)(F)	(b) (7)(F)	926.2926	06:21	metal loss	YES	6	2.56	0.71		800	0.344	-2.44	
2368.40	(b) (7)(F)	(b) (7)(F)	926.2933	06:03	metal loss	YES	5	1.30	1.46		800	0.344	-2.48	
2368.43	(b) (7)(F)	(b) (7)(F)	926.2937	05:40	metal loss	YES	5	0.98	1.81		800	0.344	-2.51	
2368.59	(b) (7)(F)	(b) (7)(F)	926.2954	06:31	metal loss	YES	5	0.55	0.71		800	0.344	-2.67	
2368.71	(b) (7)(F)	(b) (7)(F)	926.2962	06:26	metal loss	YES	13	0.59	0.71		800	0.344	-2.79	
2982.66	(b) (7)(F)	(b) (7)(F)	971.2751	11:01	metal loss	YES	10	0.51	0.71		960	0.344	7.01	
2991.42	(b) (7)(F)	(b) (7)(F)	971.4570	09:37	Cluster	YES	12	0.77	1.72		970	0.344	-1.76	
2991.42	(b) (7)(F)	(b) (7)(F)	971.4570	09:47	metal loss	YES	6	0.51	0.71		970	0.344	-1.76	
2991.44	(b) (7)(F)	(b) (7)(F)	971.4573	09:37	metal loss	YES	12	0.59	0.55		970	0.344	-1.77	
2991.61	(b) (7)(F)	(b) (7)(F)	971.4608	09:42	metal loss	YES	13	0.55	0.55		970	0.344	-1.94	
2993.61	(b) (7)(F)	(b) (7)(F)	971.5022	09:30	Cluster	YES	10	1.58	1.36		970	0.344	-3.94	

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ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
2993.61			971.5022	09:37	metal loss	YES	10	0.47	0.71		970	0.344	-3.94	
2993.70			971.5041	09:30	metal loss	YES	8	0.51	0.87		970	0.344	-4.03	
2993.91			971.5085	02:16	metal loss	YES	7	0.51	0.63		970	0.344	-4.24	
2993.91			971.5085	02:16	Cluster	YES	12	1.63	0.67		970	0.344	-4.24	
2993.99			971.5102	02:17	metal loss	YES	12	0.63	0.55		970	0.344	-4.33	
2994.50			971.5207	09:17	metal loss	YES	5	0.75	0.71		970	0.344	-4.83	
2994.50			971.5207	09:17	Cluster	YES	10	4.84	2.81		970	0.344	-4.83	
2994.54			971.5216	09:32	metal loss	YES	5	0.59	0.87		970	0.344	-4.88	
2994.63			971.5233	09:37	metal loss	YES	6	1.22	0.71		970	0.344	-4.96	
2994.63			971.5234	09:30	metal loss	YES	7	1.02	0.55		970	0.344	-4.97	
2994.65			971.5237	09:17	metal loss	YES	10	0.63	0.71		970	0.344	-4.98	
2994.73			971.5255	09:32	metal loss	YES	5	0.63	0.71		970	0.344	-5.07	
2994.84			971.5277	09:33	metal loss	YES	9	0.75	0.67		970	0.344	-5.17	
3002.07			971.6770	08:30	metal loss	YES	10	0.51	0.55		970	0.344	-12.41	
3002.24			971.6804	08:29	metal loss	YES	11	0.67	0.71		970	0.344	-12.57	
3018.05			971.9395	03:09	metal loss	YES	10	0.63	0.63		970	0.344	11.41	
3019.88			971.9410	08:31	metal loss	YES	10	0.59	0.71		970	0.344	9.58	
3019.88			971.9410	08:31	Cluster	YES	10	1.76	1.24		970	0.344	9.58	
3019.99			971.9411	08:36	metal loss	YES	5	0.39	0.71		970	0.344	9.47	
3051.05			971.9481	04:35	Cluster	YES	10	4.02	0.71		980	0.344	18.40	
3051.05			971.9481	04:35	metal loss	YES	10	0.71	0.59		980	0.344	18.40	
3051.13			971.9480	04:35	metal loss	YES	6	0.71	0.71		980	0.344	18.32	
3051.21			971.9480	04:35	metal loss	YES	6	0.75	0.71		980	0.344	18.25	
3051.33			971.9479	04:35	metal loss	YES	6	0.63	0.71		980	0.344	18.12	
3054.83			971.9454	04:18	Cluster	YES	10	3.74	1.05		980	0.344	14.63	
3054.83			971.9454	04:18	metal loss	YES	10	0.79	0.94		980	0.344	14.63	
3054.97			971.9453	04:20	metal loss	YES	6	0.63	0.71		980	0.344	14.49	
3055.08			971.9452	04:22	metal loss	YES	9	0.67	0.71		980	0.344	14.37	
3055.25			971.9450	04:22	metal loss	YES	11	0.67	0.71		980	0.344	14.20	
3056.51			971.9441	04:17	metal loss	YES	11	0.71	0.71		980	0.344	12.95	
3056.51			971.9441	04:17	Cluster	YES	11	3.52	0.69		980	0.344	12.95	
3056.62			971.9441	04:17	metal loss	YES	10	0.63	0.71		980	0.344	12.83	

Client Plains All American
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24" LAS FLORES TO GAVIOTA

ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
3056.72			971.9440	04:17	metal loss	YES	8	0.91	0.71		980	0.344	12.73	
3056.80			971.9439	07:17	Cluster	YES	11	4.99	3.83		980	0.344	12.65	
3056.80			971.9439	07:32	metal loss	YES	7	0.39	0.71		980	0.344	12.65	
3056.85			971.9439	07:22	metal loss	YES	5	0.47	0.71		980	0.344	12.61	
3056.86			971.9439	07:32	metal loss	YES	6	0.47	0.71		980	0.344	12.60	
3056.92			971.9438	07:37	metal loss	YES	5	0.43	0.71		980	0.344	12.54	
3057.01			971.9438	07:17	metal loss	YES	6	0.39	0.71		980	0.344	12.44	
3057.04			971.9438	07:37	metal loss	YES	9	0.55	0.71		980	0.344	12.42	
3057.04			971.9438	07:47	metal loss	YES	5	0.63	0.71		980	0.344	12.42	
3057.16			971.9437	07:37	metal loss	YES	11	0.71	0.55		980	0.344	12.29	
3057.87			971.9432	04:12	metal loss	YES	8	0.71	0.71		980	0.344	11.58	
3057.87			971.9432	04:12	Cluster	YES	11	3.41	1.20		980	0.344	11.58	
3057.98			971.9431	04:12	metal loss	YES	9	0.71	0.71		980	0.344	11.47	
3058.10			971.9430	04:17	metal loss	YES	11	0.71	0.71		980	0.344	11.36	
3058.36			971.9428	04:17	metal loss	YES	12	0.71	0.55		980	0.344	11.10	
3058.57			971.9426	04:12	metal loss	YES	8	0.59	0.71		980	0.344	10.88	
3058.57			971.9426	03:57	Cluster	YES	11	6.88	2.77		980	0.344	10.88	
3058.66			971.9425	04:17	metal loss	YES	11	0.63	0.71		980	0.344	10.79	
3058.76			971.9424	04:12	metal loss	YES	5	0.75	0.71		980	0.344	10.69	
3058.87			971.9423	04:12	metal loss	YES	5	0.87	0.71		980	0.344	10.59	
3058.96			971.9422	03:57	metal loss	YES	6	0.71	0.71		980	0.344	10.50	
3058.97			971.9422	04:12	metal loss	YES	7	0.83	0.71		980	0.344	10.49	
3059.08			971.9421	07:38	metal loss	YES	5	0.98	0.59		980	0.344	10.38	
3059.08			971.9421	07:18	Cluster	YES	11	9.00	3.37		980	0.344	10.38	
3059.09			971.9421	04:12	metal loss	YES	10	0.59	0.71		980	0.344	10.36	
3059.14			971.9421	07:22	metal loss	YES	7	0.51	0.71		980	0.344	10.32	
3059.20			971.9420	07:44	metal loss	YES	5	0.55	0.71		980	0.344	10.25	
3059.27			971.9420	04:14	metal loss	YES	10	0.91	0.71		980	0.344	10.18	
3059.33			971.9419	07:38	metal loss	YES	10	0.71	0.59		980	0.344	10.13	
3059.41			971.9418	07:44	metal loss	YES	7	0.47	0.71		980	0.344	10.04	
3059.44			971.9418	07:18	metal loss	YES	6	0.67	0.59		980	0.344	10.01	
3059.48			971.9418	07:39	metal loss	YES	8	0.63	0.71		980	0.344	9.97	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
3059.57			971.9417	07:40	metal loss	YES	9	0.67	0.75		980	0.344	9.88	
3059.69			971.9416	07:44	metal loss	YES	6	0.63	0.71		980	0.344	9.76	
3059.76			971.9415	03:47	Cluster	YES	11	13.36	5.59		980	0.344	9.69	
3059.76			971.9415	04:09	metal loss	YES	7	0.55	0.71		980	0.344	9.69	
3059.77			971.9415	07:44	metal loss	YES	11	0.71	0.55		980	0.344	9.68	
3059.82			971.9415	04:34	metal loss	YES	6	0.67	0.71		980	0.344	9.63	
3059.83			971.9415	04:09	metal loss	YES	7	0.47	0.71		980	0.344	9.63	
3059.87			971.9414	04:09	metal loss	YES	6	0.83	0.71		980	0.344	9.58	
3059.92			971.9414	07:39	metal loss	YES	7	0.43	0.71		980	0.344	9.54	
3059.92			971.9414	07:18	Cluster	YES	11	7.37	3.88		980	0.344	9.54	
3059.96			971.9413	07:39	metal loss	YES	7	0.55	0.71		980	0.344	9.49	
3060.01			971.9413	04:08	metal loss	YES	7	0.91	0.59		980	0.344	9.45	
3060.07			971.9412	07:42	metal loss	YES	7	0.71	0.83		980	0.344	9.38	
3060.09			971.9412	04:09	metal loss	YES	5	0.47	0.71		980	0.344	9.36	
3060.14			971.9412	04:33	metal loss	YES	5	0.59	0.59		980	0.344	9.31	
3060.18			971.9412	04:10	metal loss	YES	11	0.71	0.63		980	0.344	9.27	
3060.19			971.9411	07:44	metal loss	YES	11	0.75	0.71		980	0.344	9.26	
3060.27			971.9411	04:09	metal loss	YES	5	0.51	0.71		980	0.344	9.19	
3060.28			971.9411	07:18	metal loss	YES	5	0.87	0.59		980	0.344	9.18	
3060.29			971.9411	07:43	metal loss	YES	11	0.71	0.63		980	0.344	9.16	
3060.30			971.9411	04:29	metal loss	YES	5	0.75	0.71		980	0.344	9.16	
3060.33			971.9410	04:09	metal loss	YES	7	0.75	0.71		980	0.344	9.12	
3060.40			971.9410	04:09	metal loss	YES	7	0.83	0.71		980	0.344	9.05	
3060.43			971.9409	07:42	metal loss	YES	6	0.67	0.79		980	0.344	9.02	
3060.48			971.9409	07:49	metal loss	YES	7	0.55	0.71		980	0.344	8.97	
3060.49			971.9409	04:09	metal loss	YES	7	0.75	0.71		980	0.344	8.96	
3060.61			971.9408	04:24	metal loss	YES	5	0.55	0.71		980	0.344	8.84	
3060.67			971.9407	04:06	metal loss	YES	6	1.06	1.06		980	0.344	8.79	
3060.67			971.9407	03:47	metal loss	YES	6	0.67	0.55		980	0.344	8.78	
3060.69			971.9407	07:42	Cluster	YES	15	7.08	1.34		980	0.344	8.77	
3060.69			971.9407	07:44	metal loss	YES	5	0.47	0.71		980	0.344	8.77	
3060.74			971.9407	07:47	metal loss	YES	11	0.59	0.71		980	0.344	8.72	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft			ft				%	in	in			in	ft	%
3060.80	(b) (7)(F)		971.9406	04:14	metal loss	YES	8	0.63	0.71		980	0.344	8.65	
3060.81	(b) (7)(F)		971.9406	04:04	metal loss	YES	6	0.71	0.71		980	0.344	8.64	
3060.85	(b) (7)(F)		971.9406	07:44	metal loss	YES	5	0.39	0.71		980	0.344	8.61	
3060.93	(b) (7)(F)		971.9405	07:46	metal loss	YES	7	0.59	0.98		980	0.344	8.53	
3061.02	(b) (7)(F)		971.9404	07:49	metal loss	YES	15	0.59	0.55		980	0.344	8.43	
3061.09	(b) (7)(F)		971.9403	07:42	metal loss	YES	12	0.63	0.75		980	0.344	8.36	
3061.22	(b) (7)(F)		971.9402	07:42	metal loss	YES	11	0.67	0.98		980	0.344	8.23	
3061.38	(b) (7)(F)		971.9401	07:44	metal loss	YES	8	0.59	0.83		980	0.344	8.07	
3061.38	(b) (7)(F)		971.9401	07:39	Cluster	YES	15	11.11	2.28		980	0.344	8.07	
3061.47	(b) (7)(F)		971.9400	04:44	metal loss	YES	6	0.98	0.71		980	0.344	7.98	
3061.47	(b) (7)(F)		971.9400	03:59	Cluster	YES	15	4.70	5.41		980	0.344	7.98	
3061.49	(b) (7)(F)		971.9400	07:49	metal loss	YES	13	0.71	0.71		980	0.344	7.96	
3061.50	(b) (7)(F)		971.9400	03:59	metal loss	YES	12	0.67	0.71		980	0.344	7.95	
3061.51	(b) (7)(F)		971.9400	04:19	metal loss	YES	6	0.51	0.71		980	0.344	7.95	
3061.58	(b) (7)(F)		971.9399	07:44	metal loss	YES	5	0.98	0.71		980	0.344	7.87	
3061.59	(b) (7)(F)		971.9399	04:02	metal loss	YES	8	0.67	0.79		980	0.344	7.86	
3061.61	(b) (7)(F)		971.9399	07:54	metal loss	YES	10	0.51	0.71		980	0.344	7.84	
3061.68	(b) (7)(F)		971.9398	03:59	metal loss	YES	15	0.75	0.71		980	0.344	7.77	
3061.68	(b) (7)(F)		971.9398	07:49	metal loss	YES	7	0.87	0.71		980	0.344	7.77	
3061.80	(b) (7)(F)		971.9397	03:59	metal loss	YES	6	0.83	0.87		980	0.344	7.66	
3061.80	(b) (7)(F)		971.9397	04:19	metal loss	YES	8	0.47	0.55		980	0.344	7.65	
3061.81	(b) (7)(F)		971.9397	07:49	metal loss	YES	9	0.67	0.71		980	0.344	7.65	
3061.91	(b) (7)(F)		971.9396	07:49	metal loss	YES	9	0.59	0.91		980	0.344	7.55	
3061.97	(b) (7)(F)		971.9396	03:37	Cluster	YES	10	6.55	5.03		980	0.344	7.48	
3061.97	(b) (7)(F)		971.9396	03:37	metal loss	YES	5	0.75	0.75		980	0.344	7.48	
3061.97	(b) (7)(F)		971.9396	03:54	metal loss	YES	7	0.59	0.87		980	0.344	7.48	
3062.00	(b) (7)(F)		971.9395	04:19	metal loss	YES	6	0.67	0.71		980	0.344	7.46	
3062.03	(b) (7)(F)		971.9395	07:54	metal loss	YES	13	0.63	0.71		980	0.344	7.42	
3062.03	(b) (7)(F)		971.9395	07:39	metal loss	YES	6	0.47	0.71		980	0.344	7.42	
3062.11	(b) (7)(F)		971.9394	03:59	metal loss	YES	10	0.55	0.71		980	0.344	7.34	
3062.11	(b) (7)(F)		971.9394	04:09	metal loss	YES	5	0.55	0.71		980	0.344	7.34	
3062.11	(b) (7)(F)		971.9394	07:54	metal loss	YES	15	0.79	0.59		980	0.344	7.34	

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24" LAS FLORES TO GAVIOTA

ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
3062.12			971.9394	03:49	metal loss	YES	6	0.55	0.71		980	0.344	7.33	
3062.20			971.9394	04:14	metal loss	YES	5	0.47	0.71		980	0.344	7.25	
3062.23			971.9393	03:43	metal loss	YES	5	0.75	0.67		980	0.344	7.22	
3062.26			971.9393	07:54	metal loss	YES	9	0.59	0.71		980	0.344	7.19	
3062.27			971.9393	04:14	metal loss	YES	5	1.34	0.71		980	0.344	7.18	
3062.29			971.9393	03:59	metal loss	YES	6	0.63	0.71		980	0.344	7.16	
3062.41			971.9392	07:34	Cluster	YES	13	5.17	3.33		980	0.344	7.04	
3062.41			971.9392	07:59	metal loss	YES	7	0.51	0.71		980	0.344	7.04	
3062.44			971.9391	03:52	metal loss	YES	5	0.91	0.94		980	0.344	7.01	
3062.46			971.9391	04:09	metal loss	YES	7	0.63	0.71		980	0.344	7.00	
3062.47			971.9391	07:57	metal loss	YES	11	0.47	0.87		980	0.344	6.99	
3062.54			971.9391	07:59	metal loss	YES	7	0.47	0.71		980	0.344	6.91	
3062.55			971.9391	07:34	metal loss	YES	5	0.79	0.71		980	0.344	6.90	
3062.62			971.9390	07:56	metal loss	YES	10	0.67	0.83		980	0.344	6.83	
3062.65			971.9390	07:34	metal loss	YES	5	0.71	0.71		980	0.344	6.81	
3062.71			971.9389	07:59	metal loss	YES	13	0.63	0.71		980	0.344	6.74	
3062.80			971.9388	07:39	metal loss	YES	5	0.47	0.71		980	0.344	6.65	
3063.09			971.9386	08:02	metal loss	YES	9	0.87	0.63		980	0.344	6.36	
3063.09			971.9386	07:39	Cluster	YES	11	5.63	3.44		980	0.344	6.36	
3063.15			971.9385	07:39	metal loss	YES	5	0.63	0.94		980	0.344	6.31	
3063.17			971.9385	08:01	metal loss	YES	7	0.67	0.83		980	0.344	6.29	
3063.30			971.9384	08:01	metal loss	YES	6	0.47	0.71		980	0.344	6.15	
3063.41			971.9383	08:06	metal loss	YES	6	0.51	0.71		980	0.344	6.04	
3063.49			971.9382	08:02	metal loss	YES	11	0.87	0.94		980	0.344	5.96	
3063.50			971.9382	07:51	metal loss	YES	10	0.71	0.71		980	0.344	5.95	
3063.55			971.9382	03:46	metal loss	YES	11	0.87	0.63		980	0.344	5.91	
3063.55			971.9382	03:46	Cluster	YES	11	4.67	2.98		980	0.344	5.91	
3063.57			971.9381	04:07	metal loss	YES	6	0.79	0.75		980	0.344	5.88	
3063.64			971.9381	03:46	metal loss	YES	5	1.22	0.71		980	0.344	5.81	
3063.76			971.9380	03:46	metal loss	YES	6	0.75	0.71		980	0.344	5.69	
3063.84			971.9379	03:46	metal loss	YES	5	1.10	0.59		980	0.344	5.61	
3069.07			971.9290	08:17	Cluster	YES	12	4.69	5.59		980	0.344	0.38	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
3069.07			971.9290	08:18	metal loss	YES	9	0.79	0.71		980	0.344	0.38	
3069.07			971.9289	08:33	metal loss	YES	5	0.91	0.71		980	0.344	0.38	
3069.12			971.9286	08:55	metal loss	YES	5	4.02	1.65		980	0.344	0.33	
3069.20			971.9281	08:18	metal loss	YES	8	0.91	0.71		980	0.344	0.25	
3069.21			971.9281	08:28	metal loss	YES	6	0.94	0.71		980	0.344	0.24	
3069.30			971.9275	08:17	metal loss	YES	12	0.87	0.55		980	0.344	0.15	
3347.22			961.6587	03:48	metal loss	NO	14	1.18	2.24		1050	0.344	0.88	
3347.30			961.6548	07:29	metal loss	NO	11	0.71	0.94		1050	0.344	0.80	
3406.04			958.2962	05:32	metal loss	NO	9	2.56	1.50		1070	0.344	-17.89	
3406.04			958.2962	05:32	Cluster	NO	18	2.56	2.85		1070	0.344	-17.89	
3406.06			958.2952	05:53	metal loss	NO	18	2.28	0.71		1070	0.344	-17.90	
3427.30			957.0421	07:45	metal loss	NO	12	0.87	1.93		1070	0.344	0.86	
4530.89			907.7889	04:11	metal loss	NO	15	1.02	2.32		1360	0.344	-0.81	
4609.09			909.2472	06:16	Cluster	NO	17	3.47	6.35		1370	0.344	1.09	
4609.09			909.2472	06:40	metal loss	NO	15	3.31	0.71		1370	0.344	1.09	
4609.11			909.2479	06:45	metal loss	NO	17	2.99	0.71		1370	0.344	1.07	
4609.11			909.2480	06:16	metal loss	NO	8	3.19	1.65		1370	0.344	1.07	
4609.12			909.2481	06:59	metal loss	NO	9	2.64	1.81		1370	0.344	1.06	
5024.29			907.4257	03:43	metal loss-manufacturing anomaly	N/A	15	0.67	0.55		1480	0.344	9.92	
5292.54			904.1469	06:14	metal loss	NO	7	1.18	1.58		1550	0.344	10.99	
5292.54			904.1469	06:14	Cluster	NO	14	2.69	2.22		1550	0.344	10.99	
5292.67			904.1475	06:27	metal loss	NO	14	1.14	0.87		1550	0.344	10.86	
5294.02			904.1541	05:59	metal loss	NO	12	0.63	0.71		1550	0.344	9.51	
5294.02			904.1541	05:59	Cluster	NO	12	1.72	0.69		1550	0.344	9.51	
5294.11			904.1545	05:59	metal loss	NO	9	0.59	0.71		1550	0.344	9.42	
5342.18			904.1680	03:18	Cluster	NO	43	6.68	36.53		1560	0.344	1.38	
5342.18			904.1680	06:31	metal loss	NO	6	5.04	6.02		1560	0.344	1.38	
5342.23			904.1679	06:10	metal loss	NO	26	4.21	0.79		1560	0.344	1.33	
5342.29			904.1676	05:15	metal loss	NO	25	3.31	3.82		1560	0.344	1.27	
5342.35			904.1674	04:53	metal loss	NO	35	2.56	2.05		1560	0.344	1.21	
5342.37			904.1673	04:29	metal loss	NO	43	3.74	1.65		1560	0.344	1.19	
5342.46			904.1670	03:53	metal loss	NO	22	2.60	2.44		1560	0.344	1.10	

Client Plains All American
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ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)	(b) (7)(F)	ft				%	in	in			in	ft	%
5342.46	(b) (7)(F)	(b) (7)(F)	904.1670	03:18	metal loss	NO	15	2.60	3.11		1560	0.344	1.10	
5342.49	(b) (7)(F)	(b) (7)(F)	904.1669	07:40	metal loss	NO	11	2.95	1.50		1560	0.344	1.07	
5342.53	(b) (7)(F)	(b) (7)(F)	904.1667	07:29	metal loss	NO	6	0.94	0.71		1560	0.344	1.03	
5342.56	(b) (7)(F)	(b) (7)(F)	904.1666	08:01	metal loss	NO	5	2.17	4.96		1560	0.344	1.00	
5342.57	(b) (7)(F)	(b) (7)(F)	904.1665	09:01	metal loss	NO	6	1.02	0.63		1560	0.344	0.99	
5344.35	(b) (7)(F)	(b) (7)(F)	904.1596	11:00	metal loss	NO	5	0.94	4.29		1570	0.344	-0.79	
5344.35	(b) (7)(F)	(b) (7)(F)	904.1596	09:41	Cluster	NO	16	2.00	12.63		1570	0.344	-0.79	
5344.36	(b) (7)(F)	(b) (7)(F)	904.1596	10:25	metal loss	NO	16	0.79	0.75		1570	0.344	-0.80	
5344.37	(b) (7)(F)	(b) (7)(F)	904.1596	10:42	metal loss	NO	13	1.02	0.71		1570	0.344	-0.81	
5344.38	(b) (7)(F)	(b) (7)(F)	904.1595	09:59	metal loss	NO	11	0.75	1.50		1570	0.344	-0.82	
5344.44	(b) (7)(F)	(b) (7)(F)	904.1593	09:41	metal loss	NO	9	0.98	0.79		1570	0.344	-0.88	
5344.45	(b) (7)(F)	(b) (7)(F)	904.1593	10:32	metal loss	NO	6	0.75	0.71		1570	0.344	-0.89	
5344.55	(b) (7)(F)	(b) (7)(F)	904.1589	02:33	Cluster	NO	16	1.02	3.67		1570	0.344	-0.99	
5344.55	(b) (7)(F)	(b) (7)(F)	904.1589	03:00	metal loss	NO	11	1.02	0.91		1570	0.344	-0.99	
5344.56	(b) (7)(F)	(b) (7)(F)	904.1589	02:33	metal loss	NO	16	0.91	1.22		1570	0.344	-1.00	
5361.13	(b) (7)(F)	(b) (7)(F)	904.1821	06:24	metal loss	NO	6	2.01	1.58		1570	0.344	-17.57	
5361.13	(b) (7)(F)	(b) (7)(F)	904.1821	06:20	Cluster	NO	21	4.13	6.03		1570	0.344	-17.57	
5361.15	(b) (7)(F)	(b) (7)(F)	904.1822	06:55	metal loss	NO	10	1.38	0.63		1570	0.344	-17.59	
5361.24	(b) (7)(F)	(b) (7)(F)	904.1829	06:49	metal loss	NO	21	2.76	0.59		1570	0.344	-17.68	
5361.25	(b) (7)(F)	(b) (7)(F)	904.1830	07:06	metal loss	NO	10	2.68	1.22		1570	0.344	-17.69	
5361.34	(b) (7)(F)	(b) (7)(F)	904.1837	06:20	metal loss	NO	5	1.22	2.21		1570	0.344	-17.78	
5361.85	(b) (7)(F)	(b) (7)(F)	904.1877	06:06	metal loss	NO	15	0.94	0.55		1570	0.344	-18.29	
5361.96	(b) (7)(F)	(b) (7)(F)	904.1885	06:40	metal loss	NO	29	1.73	1.14		1570	0.344	-18.40	
5362.03	(b) (7)(F)	(b) (7)(F)	904.1891	07:18	metal loss	NO	54	1.77	1.02		1570	0.344	-18.47	
5362.03	(b) (7)(F)	(b) (7)(F)	904.1891	07:18	Cluster	NO	54	4.21	2.14		1570	0.344	-18.47	
5362.14	(b) (7)(F)	(b) (7)(F)	904.1900	04:39	Cluster	NO	28	4.50	2.77		1570	0.344	-18.58	
5362.14	(b) (7)(F)	(b) (7)(F)	904.1900	04:56	metal loss	NO	9	0.83	0.71		1570	0.344	-18.58	
5362.19	(b) (7)(F)	(b) (7)(F)	904.1904	04:57	metal loss	NO	28	0.98	0.94		1570	0.344	-18.64	
5362.26	(b) (7)(F)	(b) (7)(F)	904.1909	07:31	metal loss	NO	6	0.63	0.71		1570	0.344	-18.70	
5362.32	(b) (7)(F)	(b) (7)(F)	904.1914	07:32	metal loss	NO	8	0.75	0.71		1570	0.344	-18.76	
5362.32	(b) (7)(F)	(b) (7)(F)	904.1914	04:39	metal loss	NO	15	1.02	1.69		1570	0.344	-18.76	
5362.45	(b) (7)(F)	(b) (7)(F)	904.1924	04:50	metal loss	NO	17	0.79	1.02		1570	0.344	-18.89	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
5362.50			904.1928	07:01	Cluster	NO	40	4.68	5.72		1570	0.344	-18.94	
5362.50			904.1928	07:16	metal loss	NO	9	0.79	0.71		1570	0.344	-18.94	
5362.59			904.1935	07:01	metal loss	NO	7	1.97	3.62		1570	0.344	-19.03	
5362.62			904.1937	04:50	metal loss	NO	13	0.91	1.18		1570	0.344	-19.06	
5362.62			904.1937	04:50	Cluster	NO	13	2.05	2.33		1570	0.344	-19.06	
5362.69			904.1943	04:56	metal loss	NO	10	1.14	0.71		1570	0.344	-19.14	
5362.71			904.1944	05:06	metal loss	NO	7	0.94	0.71		1570	0.344	-19.15	
5362.78			904.1950	07:49	metal loss	NO	6	1.18	0.67		1570	0.344	-19.22	
5362.80			904.1951	07:11	metal loss	NO	40	1.10	1.42		1570	0.344	-19.24	
5363.02			904.1969	04:26	metal loss	NO	32	3.31	1.65		1570	0.344	-19.46	
5363.15			904.1979	06:46	Cluster	NO	19	3.37	8.23		1570	0.344	-19.59	
5363.15			904.1979	06:54	metal loss	NO	6	3.35	2.24		1570	0.344	-19.59	
5363.18			904.1981	06:46	metal loss	NO	9	2.40	0.71		1570	0.344	-19.63	
5363.21			904.1984	07:37	metal loss	NO	19	1.06	2.84		1570	0.344	-19.65	
5363.33			904.1993	07:36	metal loss	NO	15	0.91	0.71		1570	0.344	-19.77	
5363.34			904.1993	07:54	metal loss	NO	8	1.18	0.83		1570	0.344	-19.78	
5363.59			904.2013	04:21	metal loss	NO	37	0.91	0.87		1570	0.344	-20.03	
5363.59			904.2013	04:21	Cluster	NO	37	1.91	2.20		1570	0.344	-20.03	
5363.66			904.2019	04:33	metal loss	NO	30	1.06	0.94		1570	0.344	20.00	
5364.59			904.2091	04:25	metal loss	NO	32	0.55	2.13		1570	0.344	19.08	
5364.59			904.2091	04:25	Cluster	NO	35	2.35	2.12		1570	0.344	19.08	
5364.64			904.2096	04:30	metal loss	NO	35	1.30	1.42		1570	0.344	19.02	
5364.75			904.2104	04:36	metal loss	NO	7	0.39	0.71		1570	0.344	18.92	
5365.07			904.2130	04:23	Cluster	NO	22	4.85	2.56		1570	0.344	18.59	
5365.07			904.2130	04:36	metal loss	NO	22	0.94	0.59		1570	0.344	18.59	
5365.19			904.2139	04:23	metal loss	NO	13	1.06	0.91		1570	0.344	18.48	
5365.20			904.2139	04:41	metal loss	NO	10	1.02	0.71		1570	0.344	18.47	
5365.30			904.2147	04:39	metal loss	NO	10	0.91	0.59		1570	0.344	18.37	
5365.40			904.2156	04:42	metal loss	NO	11	0.87	0.55		1570	0.344	18.26	
5365.72			904.2181	05:34	Cluster	NO	59	14.66	17.01		1570	0.344	17.94	
5365.72			904.2181	07:31	metal loss	NO	10	0.59	0.71		1570	0.344	17.94	
5365.82			904.2188	07:41	metal loss	NO	10	1.38	0.71		1570	0.344	17.85	

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ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
5365.86			904.2191	07:55	metal loss	NO	9	1.34	1.10		1570	0.344	17.81	
5365.86			904.2192	04:43	Cluster	NO	11	3.59	5.20		1570	0.344	17.80	
5365.86			904.2192	04:43	metal loss	NO	8	2.32	1.10		1570	0.344	17.80	
5365.88			904.2193	05:21	metal loss	NO	10	2.76	0.71		1570	0.344	17.79	
5365.89			904.2194	05:26	metal loss	NO	11	3.27	0.71		1570	0.344	17.77	
5366.02			904.2204	05:11	metal loss	NO	7	0.94	0.71		1570	0.344	17.64	
5366.03			904.2204	08:09	metal loss	NO	26	3.35	0.75		1570	0.344	17.64	
5366.08			904.2208	07:53	metal loss	NO	34	0.79	0.94		1570	0.344	17.59	
5366.16			904.2214	07:50	metal loss	NO	44	0.83	1.89		1570	0.344	17.51	
5366.27			904.2223	07:50	metal loss	NO	5	1.02	2.28		1570	0.344	17.40	
5366.28			904.2224	07:02	metal loss	NO	59	1.53	3.70		1570	0.344	17.38	
5366.48			904.2240	07:26	metal loss	NO	5	0.63	0.91		1570	0.344	17.19	
5366.52			904.2243	07:01	metal loss	NO	6	0.79	0.71		1570	0.344	17.15	
5366.53			904.2244	07:16	metal loss	NO	8	0.59	0.71		1570	0.344	17.13	
5366.60			904.2249	07:21	metal loss	NO	32	3.35	0.71		1570	0.344	17.07	
5366.63			904.2251	06:52	metal loss	NO	47	2.95	1.81		1570	0.344	17.04	
5366.66			904.2254	05:34	metal loss	NO	40	3.42	2.79		1570	0.344	17.00	
5366.70			904.2257	06:07	metal loss	NO	54	2.48	3.39		1570	0.344	16.96	
5379.43			904.3450	04:36	Cluster	NO	40	3.78	19.14		1570	0.344	4.24	
5379.43			904.3450	04:56	metal loss	NO	40	3.78	0.71		1570	0.344	4.24	
5379.47			904.3456	05:12	metal loss	NO	21	1.53	5.32		1570	0.344	4.19	
5379.55			904.3468	06:16	metal loss	NO	23	1.38	3.23		1570	0.344	4.12	
5379.56			904.3470	04:36	metal loss	NO	12	1.14	1.26		1570	0.344	4.10	
5379.60			904.3476	06:54	metal loss	NO	18	1.61	4.61		1570	0.344	4.07	
5447.33			906.4110	08:33	metal loss	NO	6	2.09	4.92		1600	0.344	-0.74	
5447.33			906.4110	06:42	Cluster	NO	12	2.09	16.57		1600	0.344	-0.74	
5447.35			906.4120	07:24	metal loss	NO	8	1.69	6.38		1600	0.344	-0.77	
5447.36			906.4122	06:42	metal loss	NO	8	0.98	0.71		1600	0.344	-0.77	
5447.37			906.4126	06:59	metal loss	NO	12	0.98	12.68		1600	0.344	-0.78	
5458.94			906.7782	12:40	metal loss-manufacturing anomaly	N/A	11	3.82	1.06		1600	0.344	-12.36	
5830.69			921.9398	06:47	metal loss	NO	13	1.65	1.69		1700	0.344	0.95	
5830.69			921.9398	06:47	Cluster	NO	19	1.66	6.26		1700	0.344	0.95	

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ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
5830.73			921.9407	07:22	metal loss	NO	19	1.02	2.60		1700	0.344	0.91	
6924.26			842.9271	12:28	metal loss-manufacturing anomaly	N/A	14	0.59	0.55		1990	0.344	16.31	
6925.53			842.8694	09:45	metal loss-manufacturing anomaly	N/A	20	0.55	0.59		1990	0.344	15.03	
6979.62			840.5392	05:21	metal loss	NO	17	1.65	2.01		2000	0.344	0.86	
6979.64			840.5385	06:42	metal loss	NO	25	1.26	3.90		2000	0.344	0.85	
7052.36			838.1095	03:50	Cluster	NO	18	1.99	5.38		2020	0.344	0.88	
7052.36			838.1095	04:13	metal loss	NO	18	1.85	0.71		2020	0.344	0.88	
7052.38			838.1089	03:50	metal loss	NO	8	1.77	1.38		2020	0.344	0.86	
7052.40			838.1084	04:27	metal loss	NO	10	1.42	1.50		2020	0.344	0.85	
7637.41			815.6535	09:07	metal loss	NO	19	1.38	1.18		2170	0.344	15.17	
7637.75			815.6391	09:05	metal loss	NO	14	1.46	1.53		2170	0.344	14.83	
7638.80			815.5944	09:38	Cluster	NO	11	3.06	3.46		2170	0.344	13.79	
7638.80			815.5944	09:38	metal loss	NO	11	0.98	0.55		2170	0.344	13.79	
7638.91			815.5896	09:54	metal loss	NO	5	1.73	1.81		2170	0.344	13.68	
7651.24			815.0541	06:33	metal loss	NO	9	2.24	0.71		2170	0.344	1.34	
7651.24			815.0541	06:27	Cluster	NO	11	3.41	1.38		2170	0.344	1.34	
7651.25			815.0539	06:28	metal loss	NO	11	2.17	0.71		2170	0.344	1.33	
7651.42			815.0464	06:27	metal loss	NO	5	1.34	1.38		2170	0.344	1.17	
8421.40			815.4450	06:52	metal loss	NO	11	0.87	1.10		2370	0.344	0.92	
8725.00			807.2579	04:50	Cluster	NO	10	3.94	4.61		2450	0.344	0.96	
8725.00			807.2579	04:50	metal loss	NO	9	3.94	1.14		2450	0.344	0.96	
8725.15			807.2564	05:17	metal loss	NO	10	1.30	1.73		2450	0.344	0.82	
8889.36			807.6581	10:52	metal loss-manufacturing anomaly	N/A	13	0.47	0.71		2500	0.344	-3.72	
8889.87			807.6607	07:07	metal loss-manufacturing anomaly	N/A	14	1.61	0.71		2500	0.344	-4.23	
9473.05			780.4636	05:15	metal loss	YES	10	0.71	0.59		2660	0.344	-1.44	
10202.72			826.6514	07:11	Cluster	NO	13	2.65	3.81		2860	0.344	1.22	
10202.72			826.6514	07:11	metal loss	NO	8	2.48	1.18		2860	0.344	1.22	
10202.74			826.6510	07:42	metal loss	NO	11	2.48	0.59		2860	0.344	1.21	
10202.74			826.6509	07:29	metal loss	NO	13	2.36	0.67		2860	0.344	1.20	
10392.93			824.2547	08:22	metal loss-manufacturing anomaly	N/A	17	3.66	0.71		2920	0.344	-8.37	
10404.26			824.1441	02:23	metal loss-manufacturing anomaly	N/A	17	3.58	0.63		2920	0.344	-19.70	
10505.17			822.7847	06:07	metal loss	NO	6	2.28	6.54		2950	0.344	-0.76	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
10505.17			822.7847	05:10	Cluster	NO	10	4.09	13.28		2950	0.344	-0.76	
10505.18			822.7845	05:20	metal loss	NO	8	3.90	2.60		2950	0.344	-0.77	
10505.19			822.7844	07:10	metal loss	NO	10	1.42	0.71		2950	0.344	-0.78	
10505.20			822.7842	05:38	metal loss	NO	5	2.72	2.79		2950	0.344	-0.79	
10505.34			822.7824	05:10	metal loss	NO	6	0.94	0.71		2950	0.344	-0.93	
10574.38			820.8848	04:56	metal loss	NO	21	5.79	0.59		2960	0.344	10.05	
10574.38			820.8848	04:21	Cluster	NO	21	6.80	5.80		2960	0.344	10.05	
10574.43			820.8827	04:45	metal loss	NO	16	4.92	0.71		2960	0.344	9.99	
10574.50			820.8799	04:21	metal loss	NO	16	5.32	1.97		2960	0.344	9.92	
10574.72			820.8712	05:10	metal loss	NO	5	0.94	0.71		2960	0.344	9.70	
10575.13			820.8552	04:35	metal loss	NO	7	1.58	0.71		2960	0.344	9.30	
10575.13			820.8552	04:19	Cluster	NO	17	6.35	2.87		2960	0.344	9.30	
10575.31			820.8477	04:19	metal loss	NO	13	4.02	1.42		2960	0.344	9.11	
10575.33			820.8471	04:40	metal loss	NO	17	3.90	0.71		2960	0.344	9.09	
10577.51			820.7606	06:28	metal loss	NO	12	2.87	0.59		2960	0.344	6.91	
10577.51			820.7606	06:20	Cluster	NO	12	2.87	1.43		2960	0.344	6.91	
10577.58			820.7581	06:20	metal loss	NO	6	0.94	0.71		2960	0.344	6.85	
10583.42			820.5230	06:27	Cluster	NO	19	2.99	2.91		2960	0.344	1.00	
10583.42			820.5230	06:37	metal loss	NO	9	0.79	0.71		2960	0.344	1.00	
10583.56			820.5176	06:27	metal loss	NO	19	1.42	2.91		2960	0.344	0.87	
10583.57			820.5169	03:53	metal loss	NO	26	1.06	2.28		2960	0.344	0.85	
10743.51			820.7096	05:18	metal loss	NO	8	1.73	0.71		3010	0.344	-0.54	
10743.51			820.7096	05:18	Cluster	NO	23	2.60	2.39		3010	0.344	-0.54	
10743.56			820.7100	05:35	metal loss	NO	20	0.94	0.59		3010	0.344	-0.59	
10743.63			820.7107	05:33	metal loss	NO	8	0.94	0.71		3010	0.344	-0.65	
10743.65			820.7109	05:18	metal loss	NO	23	0.94	0.55		3010	0.344	-0.67	
11046.93			829.1849	03:25	metal loss-manufacturing anomaly	N/A	12	0.63	0.75		3090	0.344	-4.30	
12180.29			862.3529	10:32	metal loss-manufacturing anomaly	N/A	13	3.78	1.46		3370	0.344	-19.85	
12381.12			870.4641	05:02	metal loss-manufacturing anomaly	N/A	20	3.66	2.68		3420	0.344	12.60	
13138.89			876.6469	04:05	metal loss	NO	33	5.51	0.63		3630	0.344	-0.60	
13138.90			876.6460	04:35	Cluster	NO	34	8.47	25.13		3630	0.344	-0.61	
13138.90			876.6460	04:35	metal loss	NO	5	8.46	2.84		3630	0.344	-0.61	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
13139.01			876.6398	07:42	metal loss	NO	6	1.14	0.59		3630	0.344	-0.72	
13139.01			876.6394	08:15	metal loss	NO	9	4.09	2.17		3630	0.344	-0.72	
13139.03			876.6386	05:55	metal loss	NO	8	5.47	2.44		3630	0.344	-0.74	
13139.05			876.6373	05:31	metal loss	NO	7	5.35	1.81		3630	0.344	-0.76	
13139.07			876.6361	07:19	metal loss	NO	20	2.72	1.73		3630	0.344	-0.78	
13139.08			876.6357	07:04	metal loss	NO	34	2.99	0.71		3630	0.344	-0.79	
13139.09			876.6351	07:45	metal loss	NO	29	2.17	1.02		3630	0.344	-0.80	
13139.11			876.6339	03:15	metal loss	NO	11	0.98	1.77		3630	0.344	-0.82	
13139.11			876.6339	06:21	metal loss	NO	7	4.21	3.42		3630	0.344	-0.82	
13139.20			876.6282	05:49	metal loss	NO	6	0.94	0.71		3630	0.344	-0.91	
13139.25			876.6252	05:19	metal loss	NO	5	0.94	0.71		3630	0.344	-0.96	
13139.38			876.6176	07:02	metal loss	NO	7	0.55	0.83		3630	0.344	-1.09	
13393.85			851.3967	12:59	metal loss	NO	14	2.52	0.75		3700	0.344	-0.76	
13393.85			851.3967	11:48	Cluster	NO	14	2.52	8.15		3700	0.344	-0.76	
13393.86			851.3957	12:13	metal loss	NO	7	2.05	1.38		3700	0.344	-0.77	
13393.87			851.3939	12:39	metal loss	NO	9	2.05	1.42		3700	0.344	-0.78	
13393.89			851.3912	11:48	metal loss	NO	6	1.42	1.02		3700	0.344	-0.80	
13836.19			869.0829	10:39	metal loss-manufacturing anomaly	N/A	14	0.83	0.87		3810	0.344	17.47	
14928.01			821.8759	01:11	metal loss	NO	26	0.91	0.94		4150	0.344	14.16	
14928.20			821.8769	01:07	Cluster	NO	10	1.57	3.31		4150	0.344	13.96	
14928.20			821.8769	01:20	metal loss	NO	10	1.46	1.89		4150	0.344	13.96	
14928.26			821.8772	01:07	metal loss	NO	7	0.94	0.71		4150	0.344	13.91	
14943.65			822.1251	06:08	Cluster	NO	14	3.23	2.16		4160	0.344	-1.48	
14943.65			822.1251	06:21	metal loss	NO	14	3.23	0.83		4160	0.344	-1.48	
14943.71			822.1267	06:08	metal loss	NO	6	0.94	0.55		4160	0.344	1.46	
14944.39			822.1460	05:00	Cluster	NO	13	4.16	3.35		4160	0.344	0.78	
14944.39			822.1460	05:00	metal loss	NO	13	4.17	1.89		4160	0.344	0.78	
14944.44			822.1474	06:48	Cluster	NO	14	7.08	6.14		4160	0.344	0.73	
14944.44			822.1474	07:03	metal loss	NO	8	2.91	2.52		4160	0.344	0.73	
14944.44			822.1475	06:48	metal loss	NO	14	3.31	0.75		4160	0.344	0.72	
14944.52			822.1496	07:35	metal loss	NO	11	2.56	1.26		4160	0.344	0.65	
14944.53			822.1500	05:25	metal loss	NO	10	1.18	0.71		4160	0.344	0.64	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
14944.77			822.1568	07:02	metal loss	NO	8	3.11	0.91		4160	0.344	0.40	
14945.20			822.1702	04:46	Cluster	NO	10	8.15	6.03		4170	0.500	-0.03	
14945.20			822.1702	04:46	metal loss	NO	8	3.54	4.61		4170	0.500	-0.03	
14945.54			822.1808	05:37	metal loss	NO	9	0.94	0.71		4170	0.500	-0.37	
14945.60			822.1827	04:57	metal loss	NO	7	1.10	0.71		4170	0.500	-0.43	
14945.61			822.1832	05:32	metal loss	NO	10	0.94	0.71		4170	0.500	-0.45	
14945.64			822.1840	04:47	metal loss	NO	8	2.87	3.74		4170	0.500	-0.47	
14948.96			822.2879	04:44	Cluster	NO	14	5.27	8.84		4170	0.500	0.75	
14948.96			822.2879	04:44	metal loss	NO	13	1.46	2.09		4170	0.500	0.75	
14948.97			822.2883	05:25	metal loss	NO	14	1.26	0.91		4170	0.500	0.73	
14949.13			822.2933	06:02	metal loss	NO	8	1.26	0.71		4170	0.500	0.57	
14949.23			822.2962	04:59	metal loss	NO	7	2.09	4.96		4170	0.500	0.48	
14950.79			822.3451	05:04	Cluster	NO	15	3.43	3.50		4180	0.344	-1.08	
14950.79			822.3451	05:31	metal loss	NO	11	0.75	0.63		4180	0.344	-1.08	
14950.85			822.3472	05:05	metal loss	NO	9	1.34	0.83		4180	0.344	-1.15	
14950.94			822.3498	05:04	metal loss	NO	15	1.65	0.98		4180	0.344	-1.23	
14950.94			822.3498	05:22	metal loss	NO	12	1.50	1.34		4180	0.344	-1.23	
14951.13			822.3559	03:51	metal loss	NO	6	2.32	5.20		4180	0.344	-1.42	
14951.13			822.3559	03:51	Cluster	NO	25	6.48	10.52		4180	0.344	-1.42	
14951.17			822.3571	04:52	metal loss	NO	11	1.77	0.71		4180	0.344	-1.46	
14951.18			822.3574	05:07	metal loss	NO	11	2.28	0.71		4180	0.344	-1.47	
14951.18			822.3575	05:22	metal loss	NO	6	0.98	0.71		4180	0.344	-1.48	
14951.29			822.3608	03:51	metal loss	NO	22	4.57	0.98		4180	0.344	1.40	
14951.33			822.3620	04:09	metal loss	NO	25	4.13	2.95		4180	0.344	1.36	
14951.38			822.3638	04:49	metal loss	NO	10	2.68	4.45		4180	0.344	1.30	
14952.76			822.4068	05:46	metal loss	NO	31	0.98	4.09		4190	0.344	-0.07	
15034.27			821.1598	08:57	metal loss	NO	11	0.71	0.67		4210	0.344	11.48	
15036.01			821.0611	08:37	Cluster	NO	13	3.04	3.31		4210	0.344	9.75	
15036.01			821.0611	08:37	metal loss	NO	13	3.03	0.71		4210	0.344	9.75	
15036.04			821.0593	08:49	metal loss	NO	12	2.32	2.05		4210	0.344	9.71	
15054.15			820.2092	05:18	Cluster	NO	15	5.14	5.32		4220	0.344	-8.40	
15054.15			820.2092	05:18	metal loss	NO	6	1.30	1.34		4220	0.344	-8.40	

Client Plains All American
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24" LAS FLORES TO GAVIOTA

ROSOFT Anomaly

Inspection Technologies
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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
15054.32			820.2012	05:44	metal loss	NO	8	1.26	1.14		4220	0.344	-8.57	
15054.43			820.1959	05:26	metal loss	NO	9	0.87	0.71		4220	0.344	-8.68	
15054.44			820.1958	06:01	metal loss	NO	11	1.73	0.79		4220	0.344	-8.68	
15054.47			820.1942	05:45	metal loss	NO	15	0.94	0.79		4220	0.344	-8.72	
15066.49			819.6019	03:09	metal loss	NO	12	1.10	1.02		4220	0.344	19.17	
15072.99			819.2671	08:29	metal loss	NO	14	0.75	0.59		4220	0.344	12.67	
15074.18			819.2055	09:28	metal loss	NO	18	0.71	0.71		4220	0.344	11.48	
15075.24			819.1509	09:16	metal loss	NO	9	2.21	2.48		4220	0.344	10.42	
15075.24			819.1509	09:16	Cluster	NO	29	4.66	2.95		4220	0.344	10.42	
15075.49			819.1382	09:30	metal loss	NO	9	0.67	0.94		4220	0.344	10.17	
15075.57			819.1340	09:37	metal loss	NO	29	0.71	0.83		4220	0.344	10.09	
15075.83			819.1202	09:38	metal loss	NO	22	0.71	0.71		4220	0.344	9.83	
15078.28			818.9927	09:17	metal loss	NO	11	0.71	0.79		4220	0.344	7.38	
15078.58			818.9767	09:18	Cluster	NO	25	3.47	1.28		4220	0.344	7.08	
15078.58			818.9767	09:18	metal loss	NO	25	0.75	0.75		4220	0.344	7.08	
15078.70			818.9704	09:18	metal loss	NO	6	0.63	0.94		4220	0.344	6.96	
15078.80			818.9652	09:21	metal loss	NO	6	0.83	0.94		4220	0.344	6.86	
15084.72			818.6563	03:44	Cluster	NO	18	1.81	6.30		4220	0.344	0.94	
15084.72			818.6563	04:23	metal loss	NO	11	1.81	2.24		4220	0.344	0.94	
15084.79			818.6526	03:44	metal loss	NO	18	0.94	2.01		4220	0.344	0.87	
15086.39			818.5693	03:54	metal loss	NO	10	4.05	2.09		4230	0.344	-0.73	
15086.39			818.5693	03:12	Cluster	NO	19	4.32	10.74		4230	0.344	-0.73	
15086.40			818.5689	03:12	metal loss	NO	5	3.39	2.13		4230	0.344	-0.74	
15086.41			818.5686	04:18	metal loss	NO	19	4.13	0.71		4230	0.344	-0.75	
15086.41			818.5686	03:43	metal loss	NO	17	3.90	0.71		4230	0.344	-0.75	
15086.45			818.5662	04:29	metal loss	NO	9	3.50	1.50		4230	0.344	-0.79	
15086.46			818.5659	03:38	metal loss	NO	7	0.94	0.71		4230	0.344	-0.80	
15086.50			818.5636	04:48	metal loss	NO	5	0.94	0.71		4230	0.344	-0.84	
15275.68			809.7644	04:48	metal loss	NO	10	2.09	0.71		4300	0.344	-0.78	
15345.69			802.6387	04:20	metal loss	NO	24	2.05	6.02		4340	0.344	0.21	
15357.47			801.7592	05:03	metal loss	NO	16	1.10	1.18		4360	0.344	-2.52	
15433.66			805.1580	09:43	metal loss-manufacturing anomaly	N/A	20	0.51	0.71		4390	0.344	9.68	

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ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
15564.27			812.2334	04:49	Cluster	NO	24	2.72	2.28		4430	0.344	-0.71	
15564.27			812.2334	04:49	metal loss	NO	21	2.72	0.71		4430	0.344	-0.71	
15564.32			812.2377	05:01	metal loss	NO	24	1.69	0.98		4430	0.344	-0.75	
15957.99			829.9187	03:57	metal loss	NO	10	0.75	0.83		4520	0.344	0.37	
16000.75			833.4444	07:30	metal loss-manufacturing anomaly	N/A	16	0.71	0.59		4540	0.344	-2.36	
16017.19			835.2104	07:29	metal loss-manufacturing anomaly	N/A	10	0.79	0.71		4540	0.344	-18.80	
16436.07			848.2261	04:55	metal loss	NO	10	0.94	0.67		4640	0.344	0.86	
16509.36			846.9837	04:54	Cluster	NO	35	4.56	11.58		4660	0.344	7.37	
16509.36			846.9837	06:19	metal loss	NO	9	3.27	1.22		4660	0.344	7.37	
16509.43			846.9823	04:54	metal loss	NO	16	2.21	3.19		4660	0.344	7.30	
16509.47			846.9815	05:33	metal loss	NO	35	1.73	0.71		4660	0.344	7.26	
16509.49			846.9812	06:38	metal loss	NO	5	0.94	0.71		4660	0.344	7.25	
16509.49			846.9811	05:58	metal loss	NO	5	0.94	0.71		4660	0.344	7.24	
16509.60			846.9790	06:24	metal loss	NO	5	1.69	1.85		4660	0.344	7.14	
16509.87			846.9737	06:37	metal loss	NO	10	1.81	2.09		4660	0.344	6.87	
16515.70			846.8592	06:39	Cluster	NO	20	3.48	16.19		4660	0.344	1.04	
16515.70			846.8592	08:15	metal loss	NO	20	2.87	1.22		4660	0.344	1.04	
16515.76			846.8580	06:39	metal loss	NO	7	1.97	8.86		4660	0.344	0.98	
16515.83			846.8567	08:37	metal loss	NO	5	1.85	3.86		4660	0.344	0.90	
16595.76			846.2931	08:17	metal loss	NO	14	2.84	0.71		4680	0.344	0.98	
16597.57			846.2900	06:29	metal loss	NO	12	1.61	0.79		4690	0.344	-0.83	
16597.57			846.2900	04:50	metal loss	NO	10	1.69	8.19		4690	0.344	-0.83	
16677.37			845.8829	06:08	metal loss	NO	9	4.88	1.58		4710	0.344	-0.69	
16677.37			845.8829	02:26	Cluster	NO	18	4.88	24.86		4710	0.344	-0.69	
16677.47			845.8823	03:27	metal loss	NO	15	2.48	1.85		4710	0.344	-0.79	
16677.48			845.8823	03:45	metal loss	NO	13	2.36	3.82		4710	0.344	-0.80	
16677.50			845.8821	02:26	metal loss	NO	18	1.30	0.71		4710	0.344	-0.82	
16677.51			845.8821	02:35	metal loss	NO	7	1.38	4.33		4710	0.344	-0.82	
16677.51			845.8821	04:33	metal loss	NO	13	1.46	6.46		4710	0.344	-0.82	
16677.55			845.8819	05:51	metal loss	NO	6	0.94	0.71		4710	0.344	-0.87	
16756.69			845.4098	03:25	metal loss	NO	12	4.25	2.40		4730	0.344	-0.03	
16756.69			845.4098	03:15	Cluster	NO	12	4.25	3.86		4730	0.344	-0.03	

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ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
16756.74			845.4096	03:45	metal loss	NO	6	1.61	0.71		4730	0.344	-0.08	
16756.83			845.4093	03:15	metal loss	NO	7	0.94	0.71		4730	0.344	-0.17	
18175.87			873.1097	04:24	Cluster	NO	20	4.97	6.79		5100	0.344	1.10	
18175.87			873.1097	05:07	metal loss	NO	13	4.72	0.98		5100	0.344	1.10	
18175.88			873.1095	04:52	metal loss	NO	20	4.88	0.75		5100	0.344	1.09	
18175.91			873.1085	06:45	metal loss	NO	18	0.87	0.59		5100	0.344	1.06	
18175.92			873.1082	05:58	metal loss	NO	23	0.87	0.87		5100	0.344	1.05	
18175.92			873.1080	04:24	metal loss	NO	10	4.05	1.97		5100	0.344	1.05	
18175.95			873.1071	05:22	metal loss	NO	5	1.26	0.79		5100	0.344	1.02	
18186.01			872.7616	06:02	metal loss	NO	14	1.10	3.42		5120	0.344	-0.83	
18814.52			926.6041	07:28	metal loss	NO	49	0.98	2.91		5270	0.344	0.24	
18814.52			926.6041	07:23	Cluster	NO	67	1.88	3.50		5270	0.344	0.24	
18814.60			926.6163	07:23	metal loss	NO	67	0.94	3.50		5270	0.344	0.16	
19295.40			918.9961	05:17	metal loss	NO	12	1.02	2.99		5400	0.344	0.87	
19910.87			876.2111	06:40	metal loss	NO	10	0.59	0.71		5560	0.344	-14.48	
20016.60			870.4590	04:06	metal loss	NO	10	0.71	0.67		5590	0.344	-0.34	
20335.14			843.5754	06:36	metal loss	NO	21	0.87	2.28		5660	0.344	1.04	
20335.14			843.5754	06:36	Cluster	NO	21	3.59	5.01		5660	0.344	1.04	
20335.15			843.5746	07:17	metal loss	NO	6	0.94	0.71		5660	0.344	1.03	
20335.21			843.5682	06:39	metal loss	NO	14	2.76	1.53		5660	0.344	0.97	
20335.33			843.5562	07:17	metal loss	NO	11	1.18	1.89		5660	0.344	0.86	
20413.71			835.5370	05:47	metal loss	NO	11	1.81	2.87		5680	0.344	1.12	
21019.81			783.2616	05:07	Cluster	NO	25	1.85	8.88		5840	0.344	0.92	
21019.81			783.2616	05:56	metal loss	NO	25	1.85	0.71		5840	0.344	0.92	
21019.84			783.2610	05:07	metal loss	NO	7	1.10	4.84		5840	0.344	0.89	
21019.86			783.2607	06:12	metal loss	NO	19	0.91	2.09		5840	0.344	0.87	
21282.56			778.8138	04:35	metal loss	NO	10	4.84	2.76		5920	0.344	-0.68	
21282.56			778.8138	03:53	Cluster	NO	28	4.84	8.11		5920	0.344	-0.68	
21282.57			778.8137	08:23	metal loss	NO	11	1.65	2.28		5920	0.344	-0.70	
21282.59			778.8136	09:10	metal loss	NO	14	1.30	2.05		5920	0.344	-0.71	
21282.59			778.8136	07:18	metal loss	NO	17	1.65	4.21		5920	0.344	-0.71	
21282.61			778.8135	03:53	metal loss	NO	14	1.61	1.65		5920	0.344	-0.74	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
21282.62			778.8135	04:20	metal loss	NO	28	1.81	0.67		5920	0.344	-0.75	
21282.71			778.8130	05:04	metal loss	NO	6	0.94	0.71		5920	0.344	-0.84	
21304.48			778.7127	03:09	metal loss-manufacturing anomaly	N/A	14	0.59	0.59		5920	0.344	17.34	
21307.63			778.7003	06:21	metal loss	NO	12	2.28	2.56		5920	0.344	14.18	
21307.63			778.7003	06:21	Cluster	NO	39	7.13	2.98		5920	0.344	14.18	
21307.84			778.6996	06:39	metal loss	NO	21	4.65	1.18		5920	0.344	13.97	
21307.85			778.6995	06:25	metal loss	NO	39	3.42	0.87		5920	0.344	13.96	
21341.79			778.6263	05:43	metal loss	NO	11	3.54	6.10		5930	0.344	-19.97	
21353.03			778.6063	05:38	metal loss	NO	20	5.00	4.02		5930	0.344	8.78	
21353.03			778.6063	04:43	Cluster	NO	23	4.99	17.47		5930	0.344	8.78	
21353.05			778.6062	06:16	metal loss	NO	23	4.13	3.82		5930	0.344	8.75	
21353.05			778.6062	04:43	metal loss	NO	12	3.74	5.39		5930	0.344	8.75	
21353.10			778.6061	06:58	metal loss	NO	19	3.90	3.31		5930	0.344	8.71	
21355.45			778.6014	04:01	Cluster	NO	19	3.02	6.45		5930	0.344	6.35	
21355.45			778.6014	04:07	metal loss	NO	5	0.71	0.94		5930	0.344	6.35	
21355.52			778.6013	04:56	metal loss	NO	6	0.94	0.71		5930	0.344	6.28	
21355.53			778.6012	04:17	metal loss	NO	13	1.93	2.17		5930	0.344	6.27	
21355.54			778.6012	04:01	metal loss	NO	19	1.89	0.71		5930	0.344	6.26	
21360.90			778.5886	07:22	metal loss	NO	26	1.50	7.17		5930	0.344	0.90	
21362.42			778.5846	07:11	Cluster	NO	28	3.66	14.43		5940	0.344	-0.62	
21362.42			778.5846	07:11	metal loss	NO	28	3.66	1.10		5940	0.344	-0.62	
21362.44			778.5846	07:27	metal loss	NO	17	3.03	3.46		5940	0.344	-0.64	
21362.49			778.5844	05:33	metal loss	NO	23	4.49	6.38		5940	0.344	-0.69	
21362.49			778.5844	05:02	Cluster	NO	32	4.50	9.68		5940	0.344	-0.69	
21362.53			778.5843	04:23	metal loss	NO	40	3.27	0.63		5940	0.344	-0.73	
21362.56			778.5843	08:18	metal loss	NO	16	0.91	5.55		5940	0.344	-0.75	
21362.56			778.5843	05:02	metal loss	NO	32	3.62	7.68		5940	0.344	-0.75	
21362.56			778.5843	09:23	metal loss	NO	20	1.06	0.71		5940	0.344	-0.75	
21362.56			778.5843	03:26	metal loss	NO	20	0.83	1.89		5940	0.344	-0.75	
21362.58			778.5842	10:47	metal loss	NO	13	1.30	1.42		5940	0.344	-0.77	
21438.79			778.6576	05:28	metal loss	NO	11	3.58	1.18		5950	0.344	3.06	
21438.79			778.6576	05:28	Cluster	NO	64	7.79	19.23		5950	0.344	3.06	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
21438.79			778.6576	05:40	metal loss	NO	28	3.23	0.71		5950	0.344	3.06	
21438.80			778.6577	07:12	metal loss	NO	10	2.01	0.75		5950	0.344	3.05	
21438.80			778.6577	05:48	metal loss	NO	18	3.15	1.02		5950	0.344	3.05	
21438.82			778.6577	06:03	metal loss	NO	10	1.02	0.94		5950	0.344	3.04	
21438.82			778.6578	07:26	metal loss	NO	31	0.79	0.83		5950	0.344	3.03	
21438.85			778.6579	05:55	metal loss	NO	31	5.87	1.42		5950	0.344	3.00	
21438.90			778.6582	06:22	metal loss	NO	64	1.53	2.44		5950	0.344	2.95	
21438.96			778.6586	06:42	metal loss	NO	25	1.46	2.01		5950	0.344	2.89	
21439.02			778.6589	05:43	metal loss	NO	26	3.23	0.59		5950	0.344	2.83	
21439.15			778.6597	06:59	metal loss	NO	39	3.42	9.69		5950	0.344	2.70	
21439.36			778.6609	05:46	metal loss	NO	5	0.63	0.83		5950	0.344	2.49	
21680.42			780.2876	05:27	metal loss	NO	15	0.75	1.30		6010	0.344	1.23	
21681.38			780.2943	06:40	metal loss	NO	10	2.24	1.30		6010	0.344	0.27	
21815.32			773.1062	06:57	metal loss	NO	10	0.91	0.87		6060	0.344	-11.02	
21845.23			771.2559	07:22	Cluster	NO	10	1.36	4.92		6070	0.344	-0.77	
21845.23			771.2559	07:55	metal loss	NO	7	1.30	1.42		6070	0.344	-0.77	
21845.24			771.2554	07:22	metal loss	NO	10	1.18	2.09		6070	0.344	-0.79	
21845.28			771.2542	03:55	metal loss	NO	11	1.53	6.34		6070	0.344	-0.82	
22083.48			774.7476	04:39	Cluster	NO	48	2.83	11.63		6120	0.344	0.96	
22083.48			774.7476	05:25	metal loss	NO	48	2.84	2.79		6120	0.344	0.96	
22083.50			774.7477	06:58	metal loss	NO	16	2.48	3.50		6120	0.344	0.94	
22083.50			774.7477	06:58	Cluster	NO	16	2.48	11.02		6120	0.344	0.94	
22083.51			774.7477	07:34	metal loss	NO	16	2.21	7.28		6120	0.344	0.93	
22083.52			774.7478	04:39	metal loss	NO	40	1.73	4.25		6120	0.344	0.92	
22083.52			774.7478	06:02	metal loss	NO	30	1.97	2.91		6120	0.344	0.92	
22483.34			774.7232	06:55	metal loss	NO	10	2.60	0.71		6220	0.344	0.96	
22485.22			774.7015	12:26	metal loss-manufacturing anomaly	N/A	11	3.39	0.71		6230	0.344	-0.92	
22651.75			773.3812	02:52	metal loss-manufacturing anomaly	N/A	13	0.83	0.55		6270	0.344	9.44	
22781.94			772.2973	05:45	Cluster	NO	18	3.26	5.59		6310	0.344	-0.87	
22781.94			772.2973	05:54	metal loss	NO	11	2.87	1.30		6310	0.344	-0.87	
22781.94			772.2973	05:45	metal loss	NO	18	3.19	0.71		6310	0.344	-0.88	
22782.01			772.2969	06:16	metal loss	NO	7	1.53	2.28		6310	0.344	-0.95	

Client Plains All American
 ROSEN Proj. No. 0-1000-10908
 Inspection Type EGP, CDG
 Inspection Date: June 19 2007
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24" LAS FLORES TO GAVIOTA

ROSOFT Anomaly

Inspection Technologies
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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
22941.65			771.6572	05:59	Cluster	NO	15	3.23	7.60		6350	0.344	-0.76	
22941.65			771.6572	06:51	metal loss	NO	5	3.07	2.17		6350	0.344	-0.76	
22941.66			771.6569	06:44	metal loss	NO	15	3.11	0.71		6350	0.344	-0.77	
22941.67			771.6567	06:08	metal loss	NO	5	2.91	3.58		6350	0.344	-0.78	
22941.73			771.6551	05:59	metal loss	NO	5	0.94	0.71		6350	0.344	-0.84	
23022.00			768.1988	05:20	metal loss	NO	14	1.06	0.94		6370	0.344	-0.82	
23029.38			767.9388	07:20	metal loss-manufacturing anomaly	N/A	12	0.47	0.71		6370	0.344	-8.20	
23032.33			767.8694	03:33	metal loss-manufacturing anomaly	N/A	10	0.63	0.71		6370	0.344	-11.15	
23161.46			771.7922	01:50	metal loss-manufacturing anomaly	N/A	10	3.35	1.22		6400	0.344	19.80	
23162.08			771.7985	01:40	metal loss-manufacturing anomaly	N/A	25	5.20	0.71		6400	0.344	19.18	
23608.37			775.1361	02:39	Cluster	YES	15	2.78	17.20		6520	0.344	-0.71	
23608.37			775.1361	02:39	metal loss	YES	14	1.77	5.91		6520	0.344	-0.71	
23608.39			775.1360	03:38	metal loss	YES	15	1.26	6.85		6520	0.344	-0.73	
23608.40			775.1359	04:48	metal loss	YES	12	2.40	3.70		6520	0.344	-0.74	
23635.74			774.9633	12:36	metal loss	NO	23	5.95	0.71		6520	0.344	11.86	
23635.74			774.9633	12:17	Cluster	NO	23	5.95	8.40		6520	0.344	11.86	
23635.78			774.9631	12:17	metal loss	NO	17	5.32	1.46		6520	0.344	11.82	
23635.78			774.9630	12:44	metal loss	NO	9	5.08	3.15		6520	0.344	11.82	
23635.99			774.9616	01:21	metal loss	NO	7	0.94	0.71		6520	0.344	11.61	
23636.07			774.9610	01:31	metal loss	NO	5	0.94	0.71		6520	0.344	11.53	
23644.93			774.8980	08:36	metal loss-manufacturing anomaly	N/A	10	0.51	0.71		6520	0.344	2.67	
23674.28			774.7318	03:05	Cluster	NO	29	2.45	28.97		6530	0.344	0.96	
23674.28			774.7318	03:52	metal loss	NO	13	2.24	5.39		6530	0.344	0.96	
23674.29			774.7317	08:03	metal loss	NO	14	2.09	1.30		6530	0.344	0.94	
23674.29			774.7317	06:09	metal loss	NO	26	2.17	9.69		6530	0.344	0.94	
23674.30			774.7317	03:05	metal loss	NO	16	1.81	4.72		6530	0.344	0.94	
23674.31			774.7317	05:47	metal loss	NO	29	2.13	2.17		6530	0.344	0.93	
23674.32			774.7316	04:54	metal loss	NO	20	1.77	5.20		6530	0.344	0.92	
23674.34			774.7315	08:54	Cluster	NO	16	1.39	6.24		6530	0.344	0.89	
23674.34			774.7315	09:30	metal loss	NO	16	1.30	2.48		6530	0.344	0.89	
23674.35			774.7315	08:54	metal loss	NO	15	1.38	2.32		6530	0.344	0.89	
23675.98			774.7247	05:09	metal loss	NO	26	0.98	1.14		6540	0.344	-0.74	

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ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
23754.10			774.7485	06:43	metal loss	NO	10	3.03	2.21		6550	0.344	1.02	
23754.10			774.7485	05:28	Cluster	NO	38	3.04	10.01		6550	0.344	1.02	
23754.15			774.7485	06:06	metal loss	NO	38	1.97	1.73		6550	0.344	0.96	
23754.18			774.7485	05:28	metal loss	NO	25	1.65	3.31		6550	0.344	0.93	
24662.22			789.5692	08:55	metal loss-manufacturing anomaly	N/A	13	3.78	2.01		6790	0.344	-3.76	
25249.80			799.1802	05:52	metal loss	NO	14	1.02	0.67		6930	0.344	0.89	
25249.80			799.1802	05:52	Cluster	NO	14	1.14	5.80		6930	0.344	0.89	
25249.81			799.1780	06:14	metal loss	NO	10	0.79	0.98		6930	0.344	0.87	
25249.82			799.1775	06:35	metal loss	NO	6	0.87	1.22		6930	0.344	0.87	
25875.11			764.8979	02:14	metal loss-manufacturing anomaly	N/A	12	0.55	0.71		7120	0.344	2.20	
26080.87			791.0148	12:05	metal loss-manufacturing anomaly	N/A	10	0.67	0.59		7180	0.344	-3.85	
26416.04			805.8494	03:32	metal loss-manufacturing anomaly	N/A	21	3.62	0.59		7260	0.344	0.90	
26867.58			805.9027	07:27	metal loss	NO	15	1.38	1.50		7380	0.344	1.23	
26867.91			805.8889	07:48	metal loss	NO	14	1.58	2.01		7380	0.344	0.90	
26867.93			805.8881	05:56	metal loss	NO	30	1.06	2.09		7380	0.344	0.88	
26867.93			805.8881	04:23	Cluster	NO	31	1.33	11.88		7380	0.344	0.88	
26867.93			805.8879	04:23	metal loss	NO	31	1.26	8.58		7380	0.344	0.87	
26868.17			805.8780	06:05	metal loss	NO	16	0.55	0.71		7380	0.344	0.64	
26868.17			805.8780	06:05	Cluster	NO	22	2.58	2.83		7380	0.344	0.64	
26868.25			805.8747	06:14	metal loss	NO	22	1.61	1.85		7380	0.344	0.56	
26930.57			799.6205	02:33	metal loss	NO	10	3.11	0.94		7400	0.344	1.05	
26930.57			799.6205	02:11	Cluster	NO	12	3.12	4.82		7400	0.344	1.05	
26930.58			799.6199	02:11	metal loss	NO	12	2.91	1.02		7400	0.344	1.05	
26930.58			799.6197	02:51	metal loss	NO	9	2.87	0.67		7400	0.344	1.04	
26946.29			797.2376	12:24	metal loss	NO	25	2.68	0.71		7420	0.344	-0.74	
27316.61			806.7631	05:54	metal loss-manufacturing anomaly	N/A	16	0.91	0.83		7520	0.344	-0.86	
27579.43			805.2976	01:21	metal loss-manufacturing anomaly	N/A	12	5.24	1.38		7580	0.344	16.29	
27581.21			805.3021	01:09	metal loss-manufacturing anomaly	N/A	24	3.90	0.87		7580	0.344	14.51	
27582.11			805.3051	01:04	metal loss-manufacturing anomaly	N/A	21	3.42	0.75		7580	0.344	13.61	
27582.56			805.3066	01:01	metal loss-manufacturing anomaly	N/A	11	3.46	2.17		7580	0.344	13.16	
27582.88			805.3076	01:15	metal loss-manufacturing anomaly	N/A	21	3.39	0.75		7580	0.344	12.85	
27892.30			805.9289	08:17	metal loss-manufacturing anomaly	N/A	10	3.23	1.06		7660	0.344	-16.37	

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ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
27944.80			803.8386	10:04	metal loss-manufacturing anomaly	N/A	20	1 06	1.18		7670	0.344	10.77	
28027.51			795.4539	07:02	metal loss-manufacturing anomaly	N/A	10	0.43	0.71		7700	0.344	-18.80	
28207.03			796.3722	10:31	metal loss-manufacturing anomaly	N/A	17	4 33	1.42		7750	0.344	14 67	
28783.01			779.5110	04:47	metal loss-manufacturing anomaly	N/A	13	6 30	1.89		7900	0.344	-8.91	
28814.67			779.3579	07:13	metal loss	NO	18	4.72	1.53		7910	0.344	-0.61	
28814.67			779.3579	04:06	Cluster	NO	30	4.73	21.05		7910	0.344	-0.61	
28814.77			779.3575	04:06	metal loss	NO	19	3 03	9.33		7910	0.344	-0.71	
28814.80			779.3573	05:31	metal loss	NO	25	1 69	7.72		7910	0.344	-0.74	
28814.90			779.3566	06:58	metal loss	NO	30	0 91	1.18		7910	0.344	-0.84	
29052.98			775.4650	03:20	Cluster	NO	42	5.77	42.81		7960	0.344	1.16	
29052.98			775.4650	03:59	metal loss	NO	24	5 32	2.24		7960	0.344	1.16	
29052.99			775.4650	04:27	metal loss	NO	40	5 67	0.71		7960	0.344	1.15	
29053.02			775.4650	04:31	metal loss	NO	16	4 33	2.64		7960	0.344	1.12	
29053.02			775.4650	07:07	metal loss	NO	30	4.49	0.71		7960	0.344	1.12	
29053.02			775.4650	06:32	metal loss	NO	32	4 37	0.71		7960	0.344	1.11	
29053.04			775.4650	06:37	metal loss	NO	29	4 29	0.71		7960	0.344	1.10	
29053.04			775.4650	04:59	metal loss	NO	15	3 54	6.58		7960	0.344	1.10	
29053.04			775.4650	06:02	metal loss	NO	42	3 82	0.71		7960	0.344	1.09	
29053.05			775.4650	03:20	metal loss	NO	29	4 33	2.01		7960	0.344	1.09	
29053.05			775.4650	06:50	metal loss	NO	28	3 86	0.79		7960	0.344	1.09	
29053.05			775.4650	07:21	metal loss	NO	13	4.13	2.05		7960	0.344	1.08	
29053.06			775.4651	06:14	metal loss	NO	18	3 90	1.81		7960	0.344	1.07	
29053.09			775.4651	07:50	metal loss	NO	6	3.46	4.80		7960	0.344	1.04	
29053.17			775.4652	08:37	metal loss	NO	15	2 28	0.71		7960	0.344	0.97	
29053.25			775.4653	09:57	metal loss	NO	20	0 98	1.26		7960	0.344	0.88	
29053.25			775.4653	09:35	metal loss	NO	27	1.14	0.71		7960	0.344	0.88	
29053.26			775.4653	09:00	metal loss	NO	10	1 02	2.87		7960	0.344	0.88	
29128.12			775.1613	03:54	Cluster	NO	38	3 50	20.36		7990	0.344	-0.62	
29128.12			775.1613	06:55	metal loss	NO	38	3 50	1.38		7990	0.344	-0.62	
29128.18			775.1604	04:46	metal loss	NO	15	2 64	4.80		7990	0.344	-0.68	
29128.22			775.1599	05:34	metal loss	NO	14	1 93	7.05		7990	0.344	-0.71	
29128.26			775.1592	03:54	metal loss	NO	13	1 50	3.58		7990	0.344	-0.76	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
29146.54			774.8961	05:29	Cluster	NO	35	8.46	10.87		7990	0.344	-19.04	
29146.54			774.8961	06:21	metal loss	NO	24	5.95	1.38		7990	0.344	-19.04	
29146.56			774.8959	05:29	metal loss	NO	15	8.31	3.62		7990	0.344	-19.05	
29146.58			774.8957	06:14	metal loss	NO	35	6.26	0.71		7990	0.344	-19.07	
29146.61			774.8951	06:54	metal loss	NO	23	6.14	0.71		7990	0.344	-19.11	
29146.66			774.8945	06:42	metal loss	NO	23	4.09	0.59		7990	0.344	-19.16	
29146.84			774.8920	06:59	metal loss	NO	6	0.94	0.71		7990	0.344	-19.34	
29146.88			774.8915	07:07	metal loss	NO	6	0.94	0.59		7990	0.344	-19.38	
29206.49			773.7111	07:27	metal loss	NO	38	2.09	9.80		8000	0.344	0.92	
29206.54			773.7098	03:42	metal loss	NO	17	1.18	5.95		8000	0.344	0.87	
29206.61			773.7080	05:58	metal loss	YES	20	4.13	5.83		8000	0.344	0.80	
29206.61			773.7080	05:14	Cluster	YES	32	4.13	10.41		8000	0.344	0.80	
29206.65			773.7069	05:14	metal loss	YES	32	3.62	4.92		8000	0.344	0.76	
29207.99			773.6700	04:48	Cluster	NO	21	6.46	3.65		8010	0.344	-0.58	
29207.99			773.6700	04:48	metal loss	NO	17	6.46	1.50		8010	0.344	-0.58	
29208.04			773.6685	05:07	metal loss	NO	21	5.35	1.65		8010	0.344	-0.64	
29208.08			773.6676	06:29	Cluster	NO	11	4.93	6.08		8010	0.344	-0.67	
29208.08			773.6676	06:29	metal loss	NO	11	4.92	3.42		8010	0.344	-0.67	
29208.13			773.6661	05:52	metal loss	NO	36	4.41	1.18		8010	0.344	-0.72	
29208.15			773.6655	07:05	metal loss	NO	6	2.64	2.28		8010	0.344	-0.74	
29410.95			768.9311	05:40	metal loss	NO	13	1.38	1.06		8060	0.344	-3.26	
29414.83			768.8315	06:37	metal loss	NO	11	4.57	1.93		8060	0.344	-7.14	
29414.83			768.8315	05:57	Cluster	NO	11	4.56	6.12		8060	0.344	-7.14	
29414.89			768.8298	05:57	metal loss	NO	5	1.50	0.94		8060	0.344	-7.21	
29414.89			768.8298	06:13	metal loss	NO	7	0.94	0.71		8060	0.344	-7.21	
29417.63			768.7590	05:18	Cluster	NO	22	6.30	3.35		8060	0.344	-9.95	
29417.63			768.7590	05:30	metal loss	NO	8	6.30	2.05		8060	0.344	-9.95	
29417.70			768.7572	05:18	metal loss	NO	22	4.92	0.71		8060	0.344	-10.02	
29419.53			768.7094	05:34	metal loss	NO	11	4.17	1.14		8060	0.344	-11.84	
29419.53			768.7094	05:17	Cluster	NO	22	4.18	2.91		8060	0.344	-11.84	
29419.56			768.7085	05:17	metal loss	NO	22	2.84	0.55		8060	0.344	-11.88	
29446.91			767.9813	04:57	metal loss	NO	15	0.91	1.22		8060	0.344	0.87	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)	(b) (7)(F)	ft				%	in	in			in	ft	%
29446.92	(b) (7)(F)	(b) (7)(F)	767.9809	08:22	metal loss	NO	42	1 02	3.86		8060	0.344	0.85	
29452.86	(b) (7)(F)	(b) (7)(F)	767.7999	06:28	metal loss-manufacturing anomaly	N/A	15	0 55	0.71		8070	0.344	-5.08	
30262.24	(b) (7)(F)	(b) (7)(F)	765.6902	06:20	metal loss	NO	10	1 26	1.65		8280	0.344	9.58	
30264.00	(b) (7)(F)	(b) (7)(F)	765.6245	04:47	metal loss	NO	10	1 06	1.14		8280	0.344	7.82	
30471.96	(b) (7)(F)	(b) (7)(F)	761.7262	06:06	Cluster	NO	17	4 76	11.46		8340	0.344	-0.56	
30471.96	(b) (7)(F)	(b) (7)(F)	761.7262	06:28	metal loss	NO	8	4 76	2.84		8340	0.344	-0.56	
30471.99	(b) (7)(F)	(b) (7)(F)	761.7265	07:44	metal loss	NO	17	4 21	1.18		8340	0.344	-0.59	
30471.99	(b) (7)(F)	(b) (7)(F)	761.7265	07:00	metal loss	NO	11	4 02	3.98		8340	0.344	-0.59	
30472.08	(b) (7)(F)	(b) (7)(F)	761.7275	06:16	metal loss	NO	5	0 94	0.71		8340	0.344	-0.67	
30472.11	(b) (7)(F)	(b) (7)(F)	761.7279	06:06	metal loss	NO	5	0 94	0.71		8340	0.344	-0.71	
30570.99	(b) (7)(F)	(b) (7)(F)	761.7328	11:29	metal loss-manufacturing anomaly	N/A	19	3 31	0.55		8360	0.344	-19.71	
30573.44	(b) (7)(F)	(b) (7)(F)	761.7224	11:38	metal loss-manufacturing anomaly	N/A	10	4 17	4.25		8360	0.344	17 84	
30574.03	(b) (7)(F)	(b) (7)(F)	761.7199	11:51	metal loss-manufacturing anomaly	N/A	26	3 66	0.71		8360	0.344	17 26	
30574.76	(b) (7)(F)	(b) (7)(F)	761.7168	11:36	metal loss-manufacturing anomaly	N/A	10	3 11	0.87		8360	0.344	16 53	
30576.10	(b) (7)(F)	(b) (7)(F)	761.7112	11:33	metal loss-manufacturing anomaly	N/A	15	3 58	7.01		8360	0.344	15 19	
30576.86	(b) (7)(F)	(b) (7)(F)	761.7079	11:42	metal loss-manufacturing anomaly	N/A	10	3 23	1.58		8360	0.344	14 42	
30577.29	(b) (7)(F)	(b) (7)(F)	761.7061	11:30	metal loss-manufacturing anomaly	N/A	14	4 02	3.74		8360	0.344	13 99	
30577.99	(b) (7)(F)	(b) (7)(F)	761.7032	11:20	metal loss-manufacturing anomaly	N/A	10	4 13	8.66		8360	0.344	13 29	
30578.61	(b) (7)(F)	(b) (7)(F)	761.7006	11:28	metal loss-manufacturing anomaly	N/A	28	3 94	6.38		8360	0.344	12 67	
30676.87	(b) (7)(F)	(b) (7)(F)	761.3112	06:24	metal loss-manufacturing anomaly	N/A	17	3 03	0.55		8390	0.344	-5.65	
30676.88	(b) (7)(F)	(b) (7)(F)	761.3111	06:34	metal loss-manufacturing anomaly	N/A	13	2 79	0.63		8390	0.344	-5.65	
31013.67	(b) (7)(F)	(b) (7)(F)	759.3892	04:16	metal loss-manufacturing anomaly	N/A	15	0 47	0.71		8500	0.344	-5.28	
31509.12	(b) (7)(F)	(b) (7)(F)	760.0275	02:45	metal loss	NO	6	5 16	2.72		8650	0.344	-0.68	
31509.12	(b) (7)(F)	(b) (7)(F)	760.0275	02:17	Cluster	NO	31	6 41	31.02		8650	0.344	-0.68	
31509.14	(b) (7)(F)	(b) (7)(F)	760.0277	03:26	metal loss	NO	6	6 10	3.46		8650	0.344	-0.71	
31509.16	(b) (7)(F)	(b) (7)(F)	760.0278	02:17	metal loss	NO	22	4 25	0.79		8650	0.344	-0.73	
31509.18	(b) (7)(F)	(b) (7)(F)	760.0279	05:30	metal loss	NO	31	4 25	0.87		8650	0.344	-0.75	
31509.22	(b) (7)(F)	(b) (7)(F)	760.0281	10:22	metal loss	NO	10	3 58	2.60		8650	0.344	-0.79	
31509.22	(b) (7)(F)	(b) (7)(F)	760.0281	10:05	Cluster	NO	14	3 59	14.60		8650	0.344	-0.79	
31509.23	(b) (7)(F)	(b) (7)(F)	760.0281	04:37	metal loss	NO	19	3 03	1.42		8650	0.344	-0.80	
31509.24	(b) (7)(F)	(b) (7)(F)	760.0282	11:22	metal loss	NO	7	3 11	6.54		8650	0.344	-0.81	
31509.24	(b) (7)(F)	(b) (7)(F)	760.0282	10:50	metal loss	NO	14	2 76	2.64		8650	0.344	-0.81	

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ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
31509.25			760.0282	04:14	metal loss	NO	21	2.99	0.67		8650	0.344	-0.82	
31509.26			760.0283	04:58	metal loss	NO	15	2.44	2.24		8650	0.344	-0.83	
31509.26			760.0283	05:56	metal loss	NO	6	1.18	4.92		8650	0.344	-0.83	
31509.28			760.0284	02:32	metal loss	NO	6	0.94	0.71		8650	0.344	-0.85	
31509.29			760.0284	07:07	metal loss	NO	5	0.94	0.71		8650	0.344	-0.85	
31509.29			760.0285	06:52	metal loss	NO	6	0.94	0.71		8650	0.344	-0.86	
31509.33			760.0287	02:37	metal loss	NO	5	0.94	0.71		8650	0.344	-0.90	
31509.34			760.0288	10:05	metal loss	NO	5	0.94	0.55		8650	0.344	-0.91	
31509.35			760.0288	03:17	metal loss	NO	5	0.94	0.71		8650	0.344	-0.92	
31509.35			760.0288	06:27	metal loss	NO	6	1.61	0.71		8650	0.344	-0.92	
31549.20			760.2205	02:54	Cluster	NO	28	5.63	6.43		8660	0.344	-0.70	
31549.20			760.2205	03:49	metal loss	NO	28	5.63	0.71		8660	0.344	-0.70	
31549.20			760.2205	05:24	Cluster	NO	12	4.92	4.34		8660	0.344	-0.70	
31549.20			760.2205	05:49	metal loss	NO	11	4.92	1.73		8660	0.344	-0.70	
31549.27			760.2206	03:39	metal loss	NO	14	3.11	0.71		8660	0.344	-0.77	
31549.33			760.2206	02:54	metal loss	NO	8	2.99	2.72		8660	0.344	-0.83	
31549.36			760.2207	05:24	metal loss	NO	12	1.53	1.30		8660	0.344	-0.86	
31549.44			760.2207	03:33	metal loss	NO	13	1.30	1.10		8660	0.344	-0.94	
31551.06			760.2221	11:30	Cluster	NO	11	6.30	7.92		8660	0.344	-2.56	
31551.06			760.2221	12:02	metal loss	NO	8	1.30	1.65		8660	0.344	-2.56	
31551.14			760.2221	11:30	metal loss	NO	7	2.99	1.18		8660	0.344	-2.64	
31551.27			760.2223	12:39	metal loss	NO	8	2.84	0.79		8660	0.344	-2.77	
31551.29			760.2223	12:23	metal loss	NO	9	3.42	1.18		8660	0.344	-2.79	
31551.29			760.2223	12:01	metal loss	NO	11	3.50	1.14		8660	0.344	-2.80	
31551.39			760.2224	11:46	metal loss	NO	7	2.17	0.71		8660	0.344	-2.89	
31551.42			760.2224	11:32	metal loss	NO	7	1.22	0.83		8660	0.344	-2.92	
31574.91			759.8604	07:00	metal loss	NO	13	4.72	4.37		8680	0.344	-0.77	
31574.91			759.8604	06:22	Cluster	NO	52	4.91	8.27		8680	0.344	-0.77	
31574.95			759.8592	03:58	Cluster	NO	10	3.01	5.43		8680	0.344	-0.80	
31574.95			759.8592	03:58	metal loss	NO	10	1.53	5.43		8680	0.344	-0.80	
31574.96			759.8589	05:29	metal loss	NO	24	4.13	2.28		8680	0.344	-0.81	
31575.05			759.8560	06:22	metal loss	NO	52	1.34	3.19		8680	0.344	-0.90	

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ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
31575.12			759.8534	04:31	metal loss	NO	5	0.94	0.71		8680	0.344	-0.98	
31575.15			759.8524	06:27	metal loss	NO	50	2.05	2.64		8680	0.344	-1.01	
31583.48			759.5674	06:28	metal loss	NO	19	1.42	1.77		8680	0.344	1.56	
31586.57			759.4611	05:46	metal loss	NO	16	1.30	3.62		8690	0.344	-1.53	
31980.44			754.9454	06:39	metal loss	NO	8	2.99	1.34		8830	0.344	1.00	
31980.44			754.9454	04:26	Cluster	NO	13	3.34	16.86		8830	0.344	1.00	
31980.45			754.9450	05:28	metal loss	NO	13	3.15	1.85		8830	0.344	0.99	
31980.46			754.9448	04:26	metal loss	NO	7	2.36	5.79		8830	0.344	0.98	
31980.52			754.9431	05:55	metal loss	NO	6	1.50	3.23		8830	0.344	0.92	
31980.57			754.9420	07:01	metal loss	NO	7	1.02	0.63		8830	0.344	0.87	
32514.08			725.6285	11:34	Cluster	NO	16	4.18	2.20		9030	0.344	0.36	
32514.08			725.6285	11:49	metal loss	NO	6	0.94	0.71		9030	0.344	0.36	
32514.14			725.6389	11:34	metal loss	NO	16	3.46	0.83		9030	0.344	0.31	
32594.86			739.3520	06:40	metal loss	NO	28	1.46	0.55		9060	0.344	-0.77	
32594.86			739.3520	06:40	Cluster	NO	28	1.45	3.58		9060	0.344	-0.77	
32594.87			739.3533	06:55	metal loss	NO	15	1.34	1.97		9060	0.344	-0.78	
32594.90			739.3589	04:25	metal loss	NO	10	0.94	1.34		9060	0.344	-0.82	
32925.21			749.6401	07:20	Cluster	NO	31	21.61	16.78		9160	0.344	-13.11	
32925.21			749.6401	09:28	metal loss	NO	9	2.72	0.79		9160	0.344	-13.11	
32925.23			749.6397	09:37	metal loss	NO	10	2.44	0.71		9160	0.344	-13.13	
32925.25			749.6392	09:49	metal loss	NO	8	1.22	0.67		9160	0.344	-13.15	
32925.44			749.6349	08:32	metal loss	NO	17	1.50	4.72		9160	0.344	-13.34	
32925.47			749.6342	07:52	metal loss	NO	16	1.34	0.71		9160	0.344	-13.37	
32925.61			749.6309	09:06	metal loss	NO	30	3.66	1.34		9160	0.344	-13.51	
32925.63			749.6306	07:29	metal loss	NO	8	3.23	6.69		9160	0.344	-13.53	
32925.75			749.6279	07:20	metal loss	NO	8	0.94	0.55		9160	0.344	-13.65	
32925.94			749.6233	08:08	metal loss	NO	22	5.79	0.79		9160	0.344	-13.84	
32925.99			749.6223	06:17	Cluster	NO	21	4.21	2.89		9160	0.344	-13.89	
32925.99			749.6223	06:35	metal loss	NO	21	4.21	1.06		9160	0.344	-13.89	
32926.00			749.6220	06:17	metal loss	NO	14	3.90	1.38		9160	0.344	-13.90	
32926.04			749.6212	08:20	metal loss	NO	7	1.50	1.30		9160	0.344	-13.94	
32926.13			749.6190	08:22	metal loss	NO	14	2.76	0.71		9160	0.344	-14.03	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
32926.21			749.6172	08:46	metal loss	NO	13	1.10	1.81		9160	0.344	-14.11	
32926.21			749.6172	09:55	metal loss	NO	19	2.09	0.55		9160	0.344	-14.11	
32926.21			749.6171	09:43	metal loss	NO	13	1.81	0.87		9160	0.344	-14.11	
32926.21			749.6170	09:29	metal loss	NO	10	2.76	0.75		9160	0.344	-14.11	
32926.34			749.6141	09:05	metal loss	NO	9	2.17	0.59		9160	0.344	-14.24	
32926.36			749.6135	09:17	metal loss	NO	5	1.61	0.71		9160	0.344	-14.26	
32926.56			749.6091	08:40	metal loss	NO	27	3.70	0.94		9160	0.344	-14.46	
32926.65			749.6070	08:12	metal loss	NO	20	3.54	1.42		9160	0.344	-14.55	
32926.67			749.6065	08:55	metal loss	NO	27	2.01	0.63		9160	0.344	-14.57	
32926.76			749.6044	07:47	metal loss	NO	7	1.81	1.53		9160	0.344	-14.66	
32926.78			749.6038	08:47	metal loss	NO	31	2.76	0.71		9160	0.344	-14.68	
32927.13			749.5958	06:53	metal loss	NO	19	1.46	0.75		9160	0.344	-15.03	
32928.30			749.5687	07:17	Cluster	NO	14	2.57	5.09		9160	0.344	-16.20	
32928.30			749.5687	07:17	metal loss	NO	14	2.48	1.30		9160	0.344	-16.20	
32928.38			749.5668	07:40	metal loss	NO	5	1.58	2.72		9160	0.344	-16.28	
32952.77			749.0267	07:12	Cluster	NO	10	2.57	2.49		9170	0.344	-0.74	
32952.77			749.0267	07:12	metal loss	NO	10	2.24	0.63		9170	0.344	-0.74	
32952.79			749.0264	07:29	metal loss	NO	7	2.36	0.71		9170	0.344	-0.76	
33031.11			747.9919	07:25	Cluster	NO	10	2.95	5.63		9180	0.344	0.98	
33031.11			747.9919	07:25	metal loss	NO	9	2.95	0.75		9180	0.344	0.98	
33031.11			747.9919	07:33	metal loss	NO	10	2.72	0.71		9180	0.344	0.98	
33031.14			747.9916	04:42	Cluster	NO	15	1.87	10.12		9180	0.344	0.95	
33031.14			747.9916	05:08	metal loss	NO	11	1.34	0.71		9180	0.344	0.95	
33031.14			747.9915	07:43	metal loss	NO	8	2.28	1.14		9180	0.344	0.95	
33031.15			747.9915	08:08	metal loss	NO	5	2.17	1.06		9180	0.344	0.94	
33031.16			747.9913	04:42	metal loss	NO	6	1.02	2.01		9180	0.344	0.93	
33031.19			747.9909	05:56	metal loss	NO	10	1.22	2.36		9180	0.344	0.90	
33031.21			747.9907	05:32	metal loss	NO	15	1.02	1.18		9180	0.344	0.88	
33032.88			747.9696	03:34	Cluster	NO	10	0.88	2.51		9190	0.344	-0.79	
33032.88			747.9696	03:34	metal loss	NO	10	0.75	0.59		9190	0.344	-0.79	
33032.88			747.9696	03:51	metal loss	NO	6	0.87	0.79		9190	0.344	-0.79	
33112.92			747.1422	04:26	metal loss	NO	8	2.48	2.24		9210	0.344	-0.79	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
33112.92			747.1422	04:02	Cluster	NO	12	2.48	4.75		9210	0.344	-0.79	
33112.97			747.1418	04:02	metal loss	NO	12	1.10	1.85		9210	0.344	-0.84	
33190.85			746.5087	07:24	metal loss	NO	11	3.66	7.36		9220	0.344	1.30	
33304.46			744.7818	11:47	metal loss	NO	14	4.05	0.91		9250	0.344	7.73	
33304.46			744.7818	11:47	Cluster	NO	28	4.36	6.72		9250	0.344	7.73	
33304.46			744.7818	12:13	metal loss	NO	24	4.09	1.26		9250	0.344	7.73	
33304.47			744.7817	12:39	metal loss	NO	8	4.21	1.22		9250	0.344	7.72	
33304.49			744.7815	12:02	metal loss	NO	28	3.54	0.71		9250	0.344	7.70	
33304.98			744.7765	12:06	metal loss	NO	8	3.66	2.36		9250	0.344	7.21	
33304.98			744.7765	11:35	Cluster	NO	11	3.67	5.55		9250	0.344	7.21	
33305.11			744.7751	11:35	metal loss	NO	11	0.83	1.06		9250	0.344	7.07	
33374.95			744.1882	06:10	Cluster	NO	23	3.55	1.91		9270	0.344	16.62	
33374.95			744.1882	06:10	metal loss	NO	23	3.54	0.55		9270	0.344	16.62	
33375.05			744.1873	06:22	metal loss	NO	10	1.65	0.71		9270	0.344	16.52	
33381.36			744.1271	05:32	metal loss	NO	9	0.55	0.71		9270	0.344	10.22	
33381.36			744.1271	05:32	Cluster	NO	31	1.76	1.32		9270	0.344	10.22	
33381.43			744.1264	05:36	metal loss	NO	31	0.91	0.87		9270	0.344	10.15	
33381.84			744.1223	05:40	metal loss	NO	29	3.42	0.55		9270	0.344	9.74	
33381.84			744.1223	05:24	Cluster	NO	29	4.33	4.63		9270	0.344	9.74	
33381.86			744.1221	05:52	metal loss	NO	27	3.31	0.71		9270	0.344	9.72	
33381.86			744.1221	06:00	metal loss	NO	20	3.23	0.83		9270	0.344	9.72	
33382.00			744.1207	05:24	metal loss	NO	5	1.18	0.75		9270	0.344	9.58	
33382.13			744.1193	05:36	metal loss	NO	6	0.83	0.63		9270	0.344	9.44	
33383.18			744.1089	05:52	Cluster	NO	13	4.98	1.64		9270	0.344	8.40	
33383.18			744.1089	06:02	metal loss	NO	6	0.83	0.59		9270	0.344	8.40	
33383.27			744.1080	05:58	metal loss	NO	13	3.90	0.94		9270	0.344	8.31	
33383.47			744.1060	05:52	metal loss	NO	5	0.75	0.71		9270	0.344	8.11	
33390.29			744.0340	05:37	metal loss	NO	6	1.14	0.71		9270	0.344	1.29	
33390.29			744.0340	05:33	Cluster	NO	20	6.35	4.38		9270	0.344	1.29	
33390.45			744.0319	05:33	metal loss	NO	20	3.66	0.75		9270	0.344	1.13	
33390.50			744.0313	05:45	metal loss	NO	5	2.17	3.11		9270	0.344	1.08	
33390.73			744.0284	05:57	metal loss	NO	5	1.10	1.18		9270	0.344	0.85	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
33405.66			743.7271	04:30	metal loss	NO	15	2.05	1.50		9280	0.344	-14.08	
33405.96			743.7201	04:20	metal loss	NO	10	1.69	1.58		9280	0.344	-14.38	
33430.71			743.1343	07:48	Cluster	NO	21	2.27	10.70		9280	0.344	0.93	
33430.71			743.1343	07:48	metal loss	NO	21	2.13	1.89		9280	0.344	0.93	
33430.73			743.1338	08:11	metal loss	NO	15	1.97	8.31		9280	0.344	0.90	
33479.84			742.2173	11:34	metal loss	NO	13	0.75	0.63		9300	0.344	-8.19	
33480.23			742.2106	12:28	Cluster	NO	26	3.61	3.29		9300	0.344	-8.58	
33480.23			742.2106	12:28	metal loss	NO	8	2.60	1.14		9300	0.344	-8.58	
33480.29			742.2096	12:51	metal loss	NO	26	0.75	0.67		9300	0.344	-8.64	
33480.35			742.2086	11:17	metal loss	NO	8	0.71	0.67		9300	0.344	-8.70	
33480.35			742.2086	11:17	Cluster	NO	13	3.37	2.10		9300	0.344	-8.70	
33480.42			742.2074	12:43	metal loss	NO	9	1.38	1.81		9300	0.344	-8.77	
33480.45			742.2068	11:23	metal loss	NO	8	1.30	1.42		9300	0.344	-8.80	
33480.56			742.2050	11:26	metal loss	NO	13	0.83	0.83		9300	0.344	-8.91	
33481.04			742.1967	10:56	metal loss	NO	15	0.79	0.71		9300	0.344	-9.40	
33512.30			742.0768	06:40	metal loss	NO	16	4.29	1.42		9310	0.344	-0.65	
33512.30			742.0768	05:03	Cluster	NO	33	4.28	21.68		9310	0.344	-0.65	
33512.31			742.0769	07:02	metal loss	NO	33	4.05	0.75		9310	0.344	-0.66	
33512.43			742.0779	07:10	metal loss	NO	7	1.50	8.43		9310	0.344	-0.78	
33512.49			742.0785	05:47	metal loss	NO	6	1.42	4.29		9310	0.344	-0.84	
33512.52			742.0787	05:03	metal loss	NO	6	1.65	3.11		9310	0.344	-0.86	
33592.28			742.8578	06:07	metal loss	NO	25	4.76	0.71		9330	0.344	-0.74	
33592.28			742.8578	04:46	Cluster	NO	25	4.87	17.39		9330	0.344	-0.74	
33592.30			742.8579	06:12	metal loss	NO	5	4.65	6.18		9330	0.344	-0.75	
33592.34			742.8579	07:15	metal loss	NO	8	3.15	1.69		9330	0.344	-0.80	
33592.37			742.8580	05:23	metal loss	NO	5	3.03	4.33		9330	0.344	-0.82	
33592.47			742.8582	04:46	metal loss	NO	5	1.18	1.73		9330	0.344	-0.92	
33592.52			742.8583	05:17	metal loss	NO	6	0.94	0.71		9330	0.344	-0.97	
33638.82			742.6487	02:35	metal loss	NO	10	2.99	0.67		9340	0.344	-7.35	
33670.40			742.2473	06:53	Cluster	NO	10	2.71	8.94		9340	0.344	0.97	
33670.40			742.2473	08:01	metal loss	NO	8	2.72	1.85		9340	0.344	0.97	
33670.41			742.2472	06:53	metal loss	NO	10	1.73	0.91		9340	0.344	0.97	

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ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
33670.43			742.2470	07:01	metal loss	NO	5	1.50	5.63		9340	0.344	0.95	
33750.65			740.3107	07:58	metal loss	YES	10	0.87	3.11		9360	0.344	0.89	
33750.65			740.3107	07:58	Cluster	YES	34	0.94	5.43		9360	0.344	0.89	
33750.66			740.3104	08:44	metal loss	YES	34	0.87	0.59		9360	0.344	0.89	
33753.51			740.1860	12:25	metal loss	NO	13	1.06	1.10		9370	0.344	-1.96	
33817.11			737.7441	12:26	metal loss	NO	36	0.91	8.35		9390	0.344	-0.78	
33853.06			738.0195	11:57	metal loss	NO	10	1.10	1.18		9390	0.344	3.26	
33853.37			738.0185	12:04	metal loss	NO	12	0.71	0.71		9390	0.344	2.94	
33895.42			737.4701	11:00	metal loss	NO	16	0.71	1.53		9400	0.344	0.88	
33949.10			736.7460	04:01	metal loss	NO	13	2.84	2.36		9420	0.344	-12.79	
33975.28			736.1627	09:10	metal loss	NO	18	3.70	0.87		9420	0.344	1.07	
33975.32			736.1619	08:03	metal loss	NO	10	2.64	4.68		9420	0.344	1.03	
33975.32			736.1619	07:27	Cluster	NO	10	2.64	8.50		9420	0.344	1.03	
33975.35			736.1611	07:27	metal loss	NO	10	2.01	3.15		9420	0.344	1.00	
33975.39			736.1604	09:43	Cluster	NO	16	2.63	7.23		9420	0.344	0.96	
33975.39			736.1604	10:09	metal loss	NO	16	2.64	0.71		9420	0.344	0.96	
33975.43			736.1594	10:29	metal loss	NO	10	1.30	2.48		9420	0.344	0.92	
33975.43			736.1593	09:43	metal loss	NO	12	1.02	1.18		9420	0.344	0.92	
34024.54			735.0509	06:25	Cluster	YES	18	4.12	3.94		9440	0.344	-8.15	
34024.54			735.0509	06:50	metal loss	YES	10	1.85	1.38		9440	0.344	-8.15	
34024.62			735.0500	06:25	metal loss	YES	9	1.26	1.02		9440	0.344	-8.23	
34024.78			735.0482	06:40	metal loss	YES	18	1.26	1.42		9440	0.344	-8.39	
34025.04			735.0451	06:19	Cluster	YES	25	2.81	3.37		9440	0.344	-8.66	
34025.04			735.0451	06:19	metal loss	YES	8	0.75	0.98		9440	0.344	-8.66	
34025.11			735.0443	06:43	metal loss	YES	7	1.14	0.79		9440	0.344	-8.72	
34025.20			735.0433	06:24	metal loss	YES	25	0.94	0.67		9440	0.344	-8.81	
34055.57			734.6328	10:28	metal loss	NO	21	1.38	4.41		9440	0.344	0.88	
34057.22			734.6066	10:43	metal loss	NO	11	0.71	0.67		9450	0.344	-0.77	
34137.11			733.6085	06:35	Cluster	NO	22	2.92	11.50		9470	0.344	-0.71	
34137.11			733.6085	08:11	metal loss	NO	22	2.91	1.46		9470	0.344	-0.71	
34137.13			733.6084	03:40	Cluster	NO	19	2.60	14.89		9470	0.344	-0.72	
34137.13			733.6084	05:10	metal loss	NO	16	2.60	5.47		9470	0.344	-0.72	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft			ft				%	in	in			in	ft	%
34137.15	(b) (7)(F)		733.6083	02:39	metal loss	NO	14	2.72	3.50		9470	0.344	-0.75	
34137.17	(b) (7)(F)		733.6082	07:01	metal loss	NO	13	1.89	6.93		9470	0.344	-0.76	
34137.17	(b) (7)(F)		733.6081	03:40	metal loss	NO	19	1.85	7.48		9470	0.344	-0.77	
34137.17	(b) (7)(F)		733.6081	06:35	metal loss	NO	14	1.85	1.89		9470	0.344	-0.77	
34859.79	(b) (7)(F)		722.8022	06:58	metal loss-manufacturing anomaly	N/A	15	0.59	0.87		9650	0.344	18.76	
34861.31	(b) (7)(F)		722.7324	10:50	metal loss-manufacturing anomaly	N/A	17	0.71	0.71		9650	0.344	17.23	
34919.27	(b) (7)(F)		720.0421	11:18	Cluster	NO	10	0.61	3.27		9670	0.344	-0.80	
34919.27	(b) (7)(F)		720.0421	11:18	metal loss	NO	8	0.55	0.55		9670	0.344	-0.80	
34919.27	(b) (7)(F)		720.0420	11:43	metal loss	NO	10	0.59	0.71		9670	0.344	-0.80	
35581.29	(b) (7)(F)		720.0574	05:59	metal loss	NO	15	0.83	1.06		9860	0.344	-0.85	
35798.42	(b) (7)(F)		721.1338	06:16	metal loss-manufacturing anomaly	N/A	18	0.47	0.71		9910	0.344	-18.23	
35820.70	(b) (7)(F)		721.0735	04:02	metal loss	NO	26	4.37	1.22		9920	0.344	-0.51	
35820.70	(b) (7)(F)		721.0735	04:02	Cluster	NO	32	4.37	2.54		9920	0.344	-0.51	
35820.78	(b) (7)(F)		721.0734	04:15	metal loss	NO	32	3.11	1.14		9920	0.344	-0.59	
35820.85	(b) (7)(F)		721.0733	04:54	metal loss	NO	18	2.28	9.80		9920	0.344	-0.66	
35820.89	(b) (7)(F)		721.0732	08:16	Cluster	NO	22	1.60	7.23		9920	0.344	-0.71	
35820.89	(b) (7)(F)		721.0732	08:42	metal loss	NO	14	1.18	4.49		9920	0.344	-0.71	
35820.89	(b) (7)(F)		721.0732	08:16	metal loss	NO	22	1.58	0.83		9920	0.344	-0.71	
35820.93	(b) (7)(F)		721.0731	10:53	metal loss	NO	13	0.71	1.69		9920	0.344	-0.74	
36460.28	(b) (7)(F)		719.5979	06:58	metal loss-manufacturing anomaly	N/A	10	1.02	0.71		10080	0.344	-0.85	
38383.95	(b) (7)(F)		741.9433	09:43	metal loss-manufacturing anomaly	N/A	16	3.78	2.52		10640	0.344	5.90	
39144.72	(b) (7)(F)		678.0669	06:32	metal loss	NO	10	0.98	1.18		10840	0.344	0.51	
39334.75	(b) (7)(F)		672.6224	05:47	metal loss	NO	6	2.01	2.17		10920	0.344	0.92	
39334.75	(b) (7)(F)		672.6224	05:25	Cluster	NO	16	4.36	8.99		10920	0.344	0.92	
39334.88	(b) (7)(F)		672.6182	06:44	metal loss	NO	16	2.79	0.71		10920	0.344	0.79	
39334.88	(b) (7)(F)		672.6181	05:25	metal loss	NO	7	2.05	0.83		10920	0.344	0.79	
39334.89	(b) (7)(F)		672.6180	06:19	metal loss	NO	6	2.36	2.09		10920	0.344	0.78	
39335.70	(b) (7)(F)		672.5915	02:17	metal loss	NO	10	2.32	1.34		10930	0.344	-0.03	
39335.70	(b) (7)(F)		672.5915	02:06	Cluster	NO	10	2.33	12.30		10930	0.344	-0.03	
39335.70	(b) (7)(F)		672.5915	02:32	metal loss	NO	5	0.75	9.57		10930	0.344	-0.03	
39335.75	(b) (7)(F)		672.5898	02:06	metal loss	NO	7	1.02	0.63		10930	0.344	-0.08	
39405.56	(b) (7)(F)		675.4804	09:17	metal loss	NO	11	1.65	0.71		10950	0.344	-0.68	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
39405.56			675.4804	08:55	Cluster	NO	17	3.44	9.03		10950	0.344	-0.68	
39405.60			675.4806	09:58	metal loss	NO	17	2.13	2.44		10950	0.344	-0.72	
39405.63			675.4808	08:55	metal loss	NO	8	1.26	5.04		10950	0.344	-0.76	
39405.78			675.4817	09:02	metal loss	NO	7	0.75	0.71		10950	0.344	-0.91	
39479.90			675.0699	08:12	metal loss	NO	17	0.79	0.91		10960	0.344	0.88	
39530.85			674.9919	05:56	metal loss	NO	15	1.18	1.81		10990	0.344	-0.50	
39553.36			675.0670	03:01	Cluster	NO	39	4.88	30.98		11000	0.344	-0.67	
39553.36			675.0670	06:58	metal loss	NO	39	4.45	0.71		11000	0.344	-0.67	
39553.37			675.0670	06:47	metal loss	NO	31	4.68	0.87		11000	0.344	-0.68	
39553.39			675.0671	06:43	metal loss	NO	21	3.07	0.71		11000	0.344	-0.70	
39553.39			675.0671	06:10	metal loss	NO	27	4.33	2.48		11000	0.344	-0.70	
39553.43			675.0672	04:51	metal loss	NO	18	2.52	2.05		11000	0.344	-0.74	
39553.43			675.0672	07:50	metal loss	NO	30	1.97	0.71		11000	0.344	-0.74	
39553.44			675.0672	05:24	metal loss	NO	8	3.50	3.46		11000	0.344	-0.75	
39553.45			675.0672	03:22	metal loss	NO	6	3.15	2.17		11000	0.344	-0.76	
39553.46			675.0673	07:07	metal loss	NO	13	2.36	3.42		11000	0.344	-0.77	
39553.47			675.0673	03:56	metal loss	NO	7	2.17	5.20		11000	0.344	-0.78	
39553.56			675.0676	03:01	metal loss	NO	9	0.98	1.10		11000	0.344	-0.87	
39592.67			676.6229	08:40	Cluster	NO	25	4.07	6.33		11010	0.344	-0.07	
39592.67			676.6229	09:35	metal loss	NO	25	3.54	0.59		11010	0.344	-0.07	
39592.70			676.6261	09:02	metal loss	NO	17	3.11	0.94		11010	0.344	-0.09	
39592.71			676.6274	08:40	metal loss	NO	13	3.66	1.30		11010	0.344	-0.10	
39592.77			676.6358	09:16	metal loss	NO	17	2.36	1.22		11010	0.344	-0.17	
39593.33			676.7097	07:38	Cluster	NO	18	2.83	6.62		11010	0.344	-0.72	
39593.33			676.7097	08:33	metal loss	NO	18	2.84	0.91		11010	0.344	-0.72	
39593.37			676.7153	02:27	metal loss	NO	7	0.94	0.71		11010	0.344	-0.76	
39593.37			676.7153	02:27	Cluster	NO	27	3.28	9.26		11010	0.344	-0.76	
39593.38			676.7165	07:38	metal loss	NO	11	1.38	4.88		11010	0.344	-0.77	
39593.39			676.7183	02:52	metal loss	NO	27	2.95	2.13		11010	0.344	-0.79	
39593.41			676.7214	03:34	metal loss	NO	5	1.30	2.21		11010	0.344	-0.81	
39593.49			676.7320	03:23	metal loss	NO	20	1.77	3.35		11010	0.344	-0.89	
39641.08			685.0586	02:02	Cluster	NO	31	5.05	14.20		11030	0.344	-1.40	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
39641.08			685.0586	02:59	metal loss	NO	31	4.80	0.71		11030	0.344	-1.40	
39641.10			685.0625	03:27	metal loss	NO	9	4.80	3.46		11030	0.344	-1.42	
39641.12			685.0660	02:02	metal loss	NO	31	3.23	0.67		11030	0.344	-1.44	
39641.13			685.0686	03:08	metal loss	NO	26	4.05	1.18		11030	0.344	-1.45	
39641.15			685.0722	02:14	metal loss	NO	25	3.50	0.71		11030	0.344	-1.47	
39641.18			685.0769	02:23	metal loss	NO	10	2.24	3.42		11030	0.344	-1.49	
39641.25			685.0909	04:08	metal loss	NO	7	2.17	0.98		11030	0.344	-1.57	
39641.74			685.1808	07:19	metal loss	NO	30	2.87	0.59		11030	0.344	-2.06	
39641.74			685.1808	06:58	Cluster	NO	33	3.32	9.30		11030	0.344	-2.06	
39641.74			685.1810	07:29	metal loss	NO	28	2.91	0.75		11030	0.344	-2.06	
39641.76			685.1841	07:41	metal loss	NO	33	3.07	0.71		11030	0.344	-2.08	
39641.77			685.1860	06:58	metal loss	NO	24	2.99	0.67		11030	0.344	-2.09	
39641.82			685.1950	07:59	metal loss	NO	32	1.58	1.10		11030	0.344	-2.13	
39641.82			685.1961	08:18	metal loss	NO	33	1.58	0.91		11030	0.344	-2.14	
39747.57			698.3476	04:10	metal loss	NO	11	1.42	1.34		11060	0.344	-2.17	
40008.62			717.7519	05:02	metal loss-manufacturing anomaly	N/A	10	1.46	0.71		11150	0.344	-18.92	
40009.50			717.7555	08:37	metal loss-manufacturing anomaly	N/A	10	0.59	0.71		11150	0.344	-19.80	
40668.73			714.1151	07:57	Cluster	NO	18	1.97	1.47		11310	0.344	1.00	
40668.73			714.1151	07:59	metal loss	NO	18	1.30	1.22		11310	0.344	1.00	
40668.85			714.1073	07:57	metal loss	NO	13	0.55	0.71		11310	0.344	0.88	
41011.08			709.3366	10:13	metal loss-manufacturing anomaly	N/A	10	3.03	1.30		11430	0.344	19.03	
41131.05			710.9410	10:09	metal loss-manufacturing anomaly	N/A	14	3.66	1.02		11460	0.344	15.18	
41163.99			711.6486	02:09	metal loss-manufacturing anomaly	N/A	12	4.17	1.77		11470	0.344	-17.77	
41165.77			711.6819	08:12	metal loss-manufacturing anomaly	N/A	16	0.59	0.63		11470	0.344	-19.55	
41166.98			711.7044	02:06	metal loss-manufacturing anomaly	N/A	11	3.78	1.42		11470	0.344	19.20	
41170.29			711.7665	01:54	metal loss-manufacturing anomaly	N/A	30	3.82	5.55		11470	0.344	15.88	
41174.55			711.8432	11:58	metal loss-manufacturing anomaly	N/A	11	0.47	0.59		11470	0.344	11.63	
41466.16			710.3511	06:18	metal loss	NO	29	4.25	0.71		11550	0.344	-0.72	
41466.16			710.3511	04:44	Cluster	NO	29	5.00	10.54		11550	0.344	-0.72	
41466.17			710.3509	05:45	metal loss	NO	12	4.92	3.39		11550	0.344	-0.72	
41466.18			710.3507	06:45	metal loss	NO	21	5.55	1.02		11550	0.344	-0.73	
41466.18			710.3507	06:45	Cluster	NO	21	5.56	2.58		11550	0.344	-0.73	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
41466.25			710.3489	04:44	metal loss	NO	20	2.17	1.42		11550	0.344	-0.80	
41466.26			710.3487	07:03	metal loss	NO	5	0.94	0.71		11550	0.344	-0.81	
41466.26			710.3487	05:04	metal loss	NO	10	2.60	4.09		11550	0.344	-0.81	
41466.26			710.3486	03:19	Cluster	NO	14	0.97	3.27		11550	0.344	-0.82	
41466.26			710.3486	03:19	metal loss	NO	14	0.75	0.59		11550	0.344	-0.82	
41466.28			710.3482	03:44	metal loss	NO	6	0.79	0.59		11550	0.344	-0.83	
41485.96			709.7136	09:55	metal loss	NO	14	0.79	0.91		11550	0.344	19.43	
41485.96			709.7136	09:33	Cluster	NO	15	4.38	3.16		11550	0.344	19.43	
41486.07			709.7100	09:45	metal loss	NO	15	2.95	0.75		11550	0.344	19.32	
41486.09			709.7095	09:33	metal loss	NO	12	2.91	0.75		11550	0.344	19.31	
41486.24			709.7041	10:32	metal loss	NO	6	1.81	0.71		11550	0.344	19.15	
41486.24			709.7041	10:16	Cluster	NO	17	2.56	2.39		11550	0.344	19.15	
41486.28			709.7029	10:16	metal loss	NO	17	1.06	0.87		11550	0.344	19.12	
41486.37			709.6997	10:21	metal loss	NO	7	1.02	1.22		11550	0.344	19.02	
41486.59			709.6922	10:09	metal loss	NO	15	1.14	1.26		11550	0.344	18.80	
41486.78			709.6857	10:17	metal loss	NO	9	1.34	1.30		11550	0.344	18.61	
41486.78			709.6857	10:13	Cluster	NO	12	4.25	3.16		11550	0.344	18.61	
41486.78			709.6857	10:37	metal loss	NO	12	1.06	0.71		11550	0.344	18.61	
41486.95			709.6802	10:13	metal loss	NO	7	1.77	1.26		11550	0.344	18.45	
41487.06			709.6762	10:22	metal loss	NO	10	0.91	0.94		11550	0.344	18.33	
41501.43			709.1821	09:33	metal loss	NO	10	2.52	0.75		11550	0.344	3.97	
41502.32			709.1510	08:10	metal loss	NO	14	4.25	0.94		11550	0.344	3.08	
41503.42			709.1124	09:22	metal loss	NO	10	1.18	0.83		11550	0.344	1.97	
41504.01			709.0920	09:28	Cluster	NO	10	4.39	5.72		11550	0.344	1.39	
41504.01			709.0920	09:34	metal loss	NO	7	2.28	0.94		11550	0.344	1.39	
41504.07			709.0896	09:52	metal loss	NO	9	0.98	1.18		11550	0.344	1.32	
41504.21			709.0847	09:28	metal loss	NO	6	1.93	2.60		11550	0.344	1.18	
41504.24			709.0839	10:10	metal loss	NO	10	0.94	1.26		11550	0.344	1.16	
41544.42			707.4963	07:47	metal loss	NO	23	0.94	1.30		11560	0.344	0.92	
41544.45			707.4949	08:49	metal loss	NO	11	0.79	0.79		11560	0.344	0.89	
41546.08			707.4225	09:36	metal loss	NO	17	2.76	0.59		11570	0.344	-0.74	
41576.47			706.2497	07:44	Cluster	NO	19	2.21	1.80		11570	0.344	8.81	

Client Plains All American
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ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
41576.47			706.2497	07:55	metal loss	NO	15	2.21	0.67		11570	0.344	8.81	
41576.47			706.2497	07:44	metal loss	NO	19	2.17	0.63		11570	0.344	8.81	
41581.35			706.0938	07:34	metal loss	NO	11	5.00	2.32		11570	0.344	3.93	
41581.35			706.0938	07:17	Cluster	NO	18	5.20	4.15		11570	0.344	3.93	
41581.38			706.0931	07:17	metal loss	NO	18	4.84	1.06		11570	0.344	3.90	
41593.16			705.8334	07:57	metal loss	NO	10	3.03	0.59		11580	0.344	-7.88	
41593.61			705.8259	07:29	metal loss	NO	16	3.70	0.71		11580	0.344	-8.33	
41593.61			705.8259	06:58	Cluster	NO	16	3.71	3.96		11580	0.344	-8.33	
41593.64			705.8256	06:58	metal loss	NO	6	1.65	1.93		11580	0.344	-8.36	
41605.47			705.8339	03:27	metal loss	NO	15	1.10	1.02		11580	0.344	19.90	
41605.47			705.8339	03:25	Cluster	NO	15	3.43	1.22		11580	0.344	19.90	
41605.62			705.8347	03:25	metal loss	NO	11	1.61	1.22		11580	0.344	19.75	
41606.33			705.8384	03:21	metal loss	NO	13	1.53	1.38		11580	0.344	19.04	
41607.15			705.8426	02:04	Cluster	NO	23	5.15	3.54		11580	0.344	18.22	
41607.15			705.8426	02:06	metal loss	NO	5	0.71	0.87		11580	0.344	18.22	
41607.24			705.8431	02:04	metal loss	NO	23	3.50	0.71		11580	0.344	18.13	
41607.28			705.8432	02:14	metal loss	NO	17	3.70	0.71		11580	0.344	18.09	
41607.45			705.8441	02:28	metal loss	NO	15	1.38	1.02		11580	0.344	17.92	
41607.49			705.8444	03:27	metal loss	NO	11	1.42	0.91		11580	0.344	17.88	
41607.68			705.8453	02:09	metal loss	NO	25	3.62	0.71		11580	0.344	17.69	
41607.68			705.8453	01:54	Cluster	NO	25	3.62	2.81		11580	0.344	17.69	
41607.80			705.8459	01:54	metal loss	NO	9	1.34	0.71		11580	0.344	17.57	
41607.84			705.8462	02:14	metal loss	NO	12	1.26	0.71		11580	0.344	17.53	
41608.36			705.8488	02:29	Cluster	NO	13	1.69	1.20		11580	0.344	17.01	
41608.36			705.8488	02:29	metal loss	NO	11	0.75	0.71		11580	0.344	17.01	
41608.43			705.8494	02:34	metal loss	NO	13	0.87	0.71		11580	0.344	16.94	
41610.12			705.8634	10:04	metal loss	NO	6	0.94	0.71		11580	0.344	15.25	
41610.12			705.8634	09:19	Cluster	NO	13	3.25	6.37		11580	0.344	15.25	
41610.13			705.8634	10:14	metal loss	NO	9	1.18	0.59		11580	0.344	15.24	
41610.13			705.8635	09:34	metal loss	NO	13	1.69	1.58		11580	0.344	15.24	
41610.26			705.8645	09:19	metal loss	NO	7	1.65	2.32		11580	0.344	15.11	
41610.66			705.8678	10:19	metal loss	NO	8	0.83	0.71		11580	0.344	14.71	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft			ft				%	in	in			in	ft	%
41610.66	(b) (7)(F)		705.8678	09:46	Cluster	NO	10	2.63	4.13		11580	0.344	14.71	
41610.72	(b) (7)(F)		705.8683	09:46	metal loss	NO	8	1.65	1.50		11580	0.344	14.65	
41610.78	(b) (7)(F)		705.8688	10:16	metal loss	NO	10	1.22	1.02		11580	0.344	14.59	
41611.24	(b) (7)(F)		705.8726	09:44	Cluster	NO	17	3.25	3.71		11580	0.344	14.13	
41611.24	(b) (7)(F)		705.8726	09:44	metal loss	NO	16	2.95	0.98		11580	0.344	14.13	
41611.25	(b) (7)(F)		705.8727	09:59	metal loss	NO	17	3.15	0.71		11580	0.344	14.12	
41611.36	(b) (7)(F)		705.8735	10:14	metal loss	NO	13	0.94	0.55		11580	0.344	14.01	
41614.46	(b) (7)(F)		705.8991	10:17	metal loss	NO	16	1.10	0.59		11580	0.344	10.91	
41636.74	(b) (7)(F)		706.1400	09:46	metal loss	NO	25	2.09	1.26		11590	0.344	-11.37	
41637.81	(b) (7)(F)		706.1532	09:56	metal loss	NO	14	2.09	1.89		11590	0.344	-12.44	
41645.97	(b) (7)(F)		706.2698	09:59	metal loss	NO	8	1.77	0.98		11590	0.344	19.42	
41645.97	(b) (7)(F)		706.2698	09:21	Cluster	NO	20	5.22	4.96		11590	0.344	19.42	
41646.20	(b) (7)(F)		706.2731	09:21	metal loss	NO	13	2.13	0.87		11590	0.344	19.19	
41646.20	(b) (7)(F)		706.2732	09:34	metal loss	NO	20	2.09	0.55		11590	0.344	19.19	
41646.35	(b) (7)(F)		706.2753	09:51	metal loss	NO	7	0.67	0.71		11590	0.344	19.04	
41647.17	(b) (7)(F)		706.2872	10:15	metal loss	NO	16	0.63	0.87		11590	0.344	18.22	
41647.33	(b) (7)(F)		706.2894	09:43	Cluster	NO	16	2.06	3.94		11590	0.344	18.07	
41647.33	(b) (7)(F)		706.2894	10:11	metal loss	NO	5	0.83	0.75		11590	0.344	18.07	
41647.34	(b) (7)(F)		706.2896	09:48	metal loss	NO	5	1.02	0.71		11590	0.344	18.05	
41647.40	(b) (7)(F)		706.2905	10:12	metal loss	NO	16	0.67	0.87		11590	0.344	17.99	
41647.42	(b) (7)(F)		706.2907	09:43	metal loss	NO	6	0.98	0.71		11590	0.344	17.98	
41648.63	(b) (7)(F)		706.3085	09:45	Cluster	NO	12	2.66	3.92		11590	0.344	16.76	
41648.63	(b) (7)(F)		706.3085	09:45	metal loss	NO	6	0.83	1.46		11590	0.344	16.76	
41648.74	(b) (7)(F)		706.3101	09:55	metal loss	NO	5	1.38	0.87		11590	0.344	16.65	
41648.79	(b) (7)(F)		706.3110	10:14	metal loss	NO	12	0.67	0.83		11590	0.344	16.60	
41649.13	(b) (7)(F)		706.3163	10:23	metal loss	NO	15	0.75	0.71		11590	0.344	16.26	
41649.59	(b) (7)(F)		706.3234	09:38	metal loss	NO	24	0.94	0.71		11590	0.344	15.81	
41650.41	(b) (7)(F)		706.3363	09:32	metal loss	NO	15	3.46	1.34		11590	0.344	14.98	
41650.41	(b) (7)(F)		706.3363	09:32	Cluster	NO	15	3.70	3.56		11590	0.344	14.98	
41650.42	(b) (7)(F)		706.3365	09:50	metal loss	NO	7	3.54	1.61		11590	0.344	14.97	
41651.43	(b) (7)(F)		706.3523	09:58	metal loss	NO	13	1.02	0.71		11590	0.344	13.96	
41651.43	(b) (7)(F)		706.3523	09:39	Cluster	NO	14	2.66	2.64		11590	0.344	13.96	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
41651.44			706.3525	09:39	metal loss	NO	14	0.94	1.18		11590	0.344	13.95	
41651.57			706.3545	09:40	metal loss	NO	13	1.02	1.18		11590	0.344	13.82	
41651.88			706.3593	09:38	Cluster	NO	14	2.84	4.19		11590	0.344	13.51	
41651.88			706.3593	09:38	metal loss	NO	7	0.91	0.71		11590	0.344	13.51	
41651.89			706.3596	09:52	metal loss	NO	14	2.64	0.87		11590	0.344	13.50	
41651.90			706.3596	10:10	metal loss	NO	13	2.48	0.79		11590	0.344	13.49	
41652.40			706.3675	09:39	metal loss	NO	12	1.10	1.10		11590	0.344	12.99	
41652.40			706.3675	09:39	Cluster	NO	12	2.08	2.26		11590	0.344	12.99	
41652.48			706.3688	09:50	metal loss	NO	12	1.10	1.18		11590	0.344	12.91	
41652.80			706.3738	09:54	metal loss	NO	11	1.02	1.26		11590	0.344	12.59	
41653.26			706.3809	08:52	metal loss	NO	16	3.54	0.71		11590	0.344	12.13	
41653.26			706.3809	08:52	Cluster	NO	19	3.68	2.75		11590	0.344	12.13	
41653.26			706.3811	09:00	metal loss	NO	19	3.58	0.71		11590	0.344	12.13	
41653.36			706.3826	09:12	metal loss	NO	7	0.94	0.59		11590	0.344	12.03	
41653.89			706.3908	09:48	metal loss	NO	21	2.99	0.55		11590	0.344	11.50	
41653.89			706.3908	09:48	Cluster	NO	21	2.99	2.54		11590	0.344	11.50	
41653.92			706.3913	10:00	metal loss	NO	12	2.24	1.30		11590	0.344	11.47	
41655.43			706.4150	09:40	Cluster	NO	13	2.38	2.16		11590	0.344	9.96	
41655.43			706.4150	09:52	metal loss	NO	13	2.28	0.87		11590	0.344	9.96	
41655.43			706.4150	09:40	metal loss	NO	13	2.36	0.71		11590	0.344	9.96	
41658.63			706.4653	02:48	metal loss	NO	16	1.10	0.71		11590	0.344	6.76	
41658.63			706.4653	02:41	Cluster	NO	16	3.28	1.43		11590	0.344	6.76	
41658.75			706.4673	02:48	metal loss	NO	11	0.55	0.71		11590	0.344	6.64	
41658.81			706.4683	02:41	metal loss	NO	7	1.18	1.10		11590	0.344	6.58	
41659.02			706.4719	02:43	metal loss	NO	5	0.43	0.71		11590	0.344	6.37	
41659.02			706.4719	02:28	Cluster	NO	15	7.88	2.75		11590	0.344	6.37	
41659.12			706.4735	02:34	metal loss	NO	11	0.98	1.22		11590	0.344	6.27	
41659.22			706.4752	02:38	metal loss	NO	8	0.67	0.71		11590	0.344	6.17	
41659.28			706.4763	02:38	metal loss	NO	9	0.79	1.10		11590	0.344	6.11	
41659.30			706.4766	02:48	metal loss	NO	9	2.60	0.71		11590	0.344	6.09	
41659.33			706.4771	02:32	metal loss	NO	15	2.17	1.02		11590	0.344	6.06	
41659.52			706.4802	02:28	metal loss	NO	5	1.93	1.02		11590	0.344	5.87	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)	(b) (7)(F)	ft				%	in	in			in	ft	%
41676.35	(b) (7)(F)	(b) (7)(F)	706.7396	09:12	metal loss	NO	11	5.35	1.58		11600	0.344	2.21	
41676.35	(b) (7)(F)	(b) (7)(F)	706.7396	08:16	Cluster	NO	33	5.50	11.56		11600	0.344	2.21	
41676.37	(b) (7)(F)	(b) (7)(F)	706.7398	09:02	metal loss	NO	33	5.24	0.63		11600	0.344	2.19	
41676.39	(b) (7)(F)	(b) (7)(F)	706.7400	08:16	metal loss	NO	8	4.49	1.89		11600	0.344	2.17	
41676.44	(b) (7)(F)	(b) (7)(F)	706.7404	08:44	metal loss	NO	13	3.42	1.22		11600	0.344	2.13	
41676.50	(b) (7)(F)	(b) (7)(F)	706.7409	09:55	metal loss	NO	5	0.94	0.71		11600	0.344	2.07	
41676.51	(b) (7)(F)	(b) (7)(F)	706.7411	09:30	metal loss	NO	5	0.94	0.71		11600	0.344	2.05	
41676.54	(b) (7)(F)	(b) (7)(F)	706.7413	10:00	metal loss	NO	6	0.94	0.71		11600	0.344	2.03	
41676.54	(b) (7)(F)	(b) (7)(F)	706.7414	09:47	metal loss	NO	5	1.18	0.75		11600	0.344	2.02	
41676.62	(b) (7)(F)	(b) (7)(F)	706.7421	02:49	metal loss	NO	16	0.83	0.55		11600	0.344	1.94	
41703.53	(b) (7)(F)	(b) (7)(F)	706.7294	04:57	Cluster	NO	33	5.21	3.73		11610	0.344	1.91	
41703.53	(b) (7)(F)	(b) (7)(F)	706.7294	04:57	metal loss	NO	24	4.29	1.30		11610	0.344	1.91	
41703.56	(b) (7)(F)	(b) (7)(F)	706.7290	05:13	metal loss	NO	33	4.80	2.09		11610	0.344	1.88	
41703.92	(b) (7)(F)	(b) (7)(F)	706.7225	05:11	metal loss	NO	16	0.55	0.55		11610	0.344	1.52	
41704.14	(b) (7)(F)	(b) (7)(F)	706.7175	06:52	metal loss	NO	16	1.18	1.34		11610	0.344	1.31	
41704.14	(b) (7)(F)	(b) (7)(F)	706.7175	06:41	Cluster	NO	16	2.22	2.47		11610	0.344	1.31	
41704.18	(b) (7)(F)	(b) (7)(F)	706.7164	06:41	metal loss	NO	7	0.94	0.71		11610	0.344	1.26	
41704.24	(b) (7)(F)	(b) (7)(F)	706.7150	08:04	metal loss	NO	9	3.62	1.65		11610	0.344	1.20	
41704.24	(b) (7)(F)	(b) (7)(F)	706.7150	06:18	Cluster	NO	14	5.59	14.60		11610	0.344	1.20	
41704.28	(b) (7)(F)	(b) (7)(F)	706.7140	06:47	metal loss	NO	10	0.51	0.55		11610	0.344	1.16	
41704.30	(b) (7)(F)	(b) (7)(F)	706.7135	08:26	metal loss	NO	14	2.32	1.14		11610	0.344	1.14	
41704.47	(b) (7)(F)	(b) (7)(F)	706.7093	05:01	Cluster	NO	23	4.01	2.87		11610	0.344	0.97	
41704.47	(b) (7)(F)	(b) (7)(F)	706.7093	05:06	metal loss	NO	23	3.46	0.71		11610	0.344	0.97	
41704.49	(b) (7)(F)	(b) (7)(F)	706.7089	08:11	metal loss	NO	9	2.60	0.71		11610	0.344	0.95	
41704.49	(b) (7)(F)	(b) (7)(F)	706.7089	05:01	metal loss	NO	20	3.78	0.71		11610	0.344	0.95	
41704.53	(b) (7)(F)	(b) (7)(F)	706.7080	05:17	metal loss	NO	11	1.85	1.10		11610	0.344	0.91	
41704.54	(b) (7)(F)	(b) (7)(F)	706.7078	07:59	metal loss	NO	13	1.93	0.59		11610	0.344	0.90	
41704.54	(b) (7)(F)	(b) (7)(F)	706.7076	07:44	metal loss	NO	14	1.69	0.67		11610	0.344	0.90	
41704.55	(b) (7)(F)	(b) (7)(F)	706.7074	06:18	metal loss	NO	7	1.26	7.21		11610	0.344	0.89	
41705.97	(b) (7)(F)	(b) (7)(F)	706.6729	08:16	metal loss	NO	7	2.87	1.81		11620	0.344	-0.53	
41705.97	(b) (7)(F)	(b) (7)(F)	706.6729	07:43	Cluster	NO	11	4.12	17.76		11620	0.344	-0.53	
41706.00	(b) (7)(F)	(b) (7)(F)	706.6724	10:20	metal loss	NO	6	2.36	1.30		11620	0.344	-0.56	

Client Plains All American
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24" LAS FLORES TO GAVIOTA

ROSOFT Anomaly

Inspection Technologies
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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
41706.00			706.6722	07:48	metal loss	NO	9	2.60	0.71		11620	0.344	-0.56	
41706.01			706.6720	09:50	metal loss	NO	8	2.60	2.13		11620	0.344	-0.57	
41706.02			706.6719	08:08	metal loss	NO	7	0.94	0.71		11620	0.344	-0.58	
41706.02			706.6718	08:51	metal loss	NO	11	2.17	2.36		11620	0.344	-0.58	
41706.04			706.6713	09:22	metal loss	NO	9	2.13	2.32		11620	0.344	-0.60	
41706.04			706.6712	07:58	metal loss	NO	7	0.94	0.71		11620	0.344	-0.60	
41706.25			706.6663	08:12	metal loss	NO	11	0.71	1.22		11620	0.344	-0.81	
41706.25			706.6662	07:43	metal loss	NO	6	0.79	2.01		11620	0.344	-0.81	
41706.26			706.6661	03:44	Cluster	NO	23	2.44	9.05		11620	0.344	-0.82	
41706.26			706.6661	04:12	metal loss	NO	23	2.44	0.67		11620	0.344	-0.82	
41706.26			706.6659	02:44	metal loss	NO	10	1.30	3.42		11620	0.344	-0.82	
41706.28			706.6656	03:44	metal loss	NO	13	1.97	0.83		11620	0.344	-0.84	
41706.30			706.6649	04:27	metal loss	NO	5	1.10	4.57		11620	0.344	-0.86	
41746.38			706.1254	09:55	metal loss	NO	11	0.71	0.55		11630	0.344	-0.95	
41747.21			706.1480	09:30	metal loss	NO	13	0.91	1.30		11630	0.344	-1.78	
41784.33			708.0211	03:20	Cluster	NO	13	3.85	6.24		11630	0.344	1.03	
41784.33			708.0211	04:07	metal loss	NO	13	3.86	1.34		11630	0.344	1.03	
41784.38			708.0230	03:20	metal loss	NO	5	2.99	4.09		11630	0.344	0.98	
41786.20			708.0931	04:12	metal loss	NO	11	0.79	0.71		11640	0.344	-0.84	
41787.46			708.1380	08:12	metal loss-manufacturing anomaly	N/A	11	0.43	0.71		11640	0.344	-2.10	
41865.72			708.4951	09:35	metal loss	NO	6	2.05	3.07		11660	0.344	-0.67	
41865.72			708.4951	08:30	Cluster	NO	11	2.05	9.82		11660	0.344	-0.67	
41865.78			708.4951	08:50	metal loss	NO	5	1.26	3.86		11660	0.344	-0.74	
41865.82			708.4950	08:30	metal loss	NO	11	0.87	0.79		11660	0.344	-0.77	
43597.89			701.6441	04:45	Cluster	NO	14	2.40	7.67		12150	0.344	-0.77	
43597.89			701.6441	05:02	metal loss	NO	10	2.40	5.87		12150	0.344	-0.77	
43597.90			701.6441	04:45	metal loss	NO	14	2.24	0.55		12150	0.344	-0.78	
43675.86			700.3919	06:00	metal loss	NO	10	1.77	4.09		12160	0.344	0.82	
43675.86			700.3919	06:00	Cluster	NO	10	2.64	4.11		12160	0.344	0.82	
43675.97			700.3900	06:17	metal loss	NO	5	1.34	0.71		12160	0.344	0.71	
43677.48			700.3641	05:01	metal loss	NO	6	0.83	3.07		12170	0.344	-0.80	
43677.48			700.3641	04:36	metal loss	NO	5	0.98	0.87		12170	0.344	-0.80	

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ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
43677.48			700.3641	04:36	Cluster	NO	16	1.32	7.54		12170	0.344	-0.80	
43677.52			700.3634	05:43	metal loss	NO	16	0.87	0.55		12170	0.344	-0.83	
43925.26			701.9519	07:51	metal loss-manufacturing anomaly	N/A	15	2.32	0.59		12230	0.344	19.13	
43928.97			701.9672	09:08	metal loss-manufacturing anomaly	N/A	14	3.03	0.71		12230	0.344	15.42	
43930.49			701.9641	09:33	metal loss-manufacturing anomaly	N/A	13	3.46	0.94		12230	0.344	13.89	
43930.51			701.9640	09:23	metal loss-manufacturing anomaly	N/A	27	3.42	0.55		12230	0.344	13.88	
43949.85			701.8126	02:25	metal loss	NO	13	1.58	1.42		12240	0.344	-5.46	
43950.29			701.8019	02:28	metal loss	NO	10	1.65	2.48		12240	0.344	-5.91	
43954.18			701.7088	09:26	Cluster	NO	13	1.81	2.93		12240	0.344	-9.79	
43954.18			701.7088	09:26	metal loss	NO	13	1.81	0.91		12240	0.344	-9.79	
43954.18			701.7086	09:47	metal loss	NO	11	1.06	0.75		12240	0.344	-9.80	
43956.32			701.6575	02:15	Cluster	NO	11	2.28	1.91		12240	0.344	-11.93	
43956.32			701.6575	02:15	metal loss	NO	11	2.28	0.59		12240	0.344	-11.93	
43956.32			701.6574	02:25	metal loss	NO	10	2.09	0.87		12240	0.344	-11.93	
43956.74			701.6473	01:43	Cluster	NO	12	5.46	5.22		12240	0.344	-12.36	
43956.74			701.6473	02:18	metal loss	NO	6	2.17	1.18		12240	0.344	-12.36	
43956.90			701.6434	01:43	metal loss	NO	7	3.50	1.14		12240	0.344	-12.52	
43956.95			701.6424	02:03	metal loss	NO	12	2.87	0.83		12240	0.344	-12.56	
43956.97			701.6419	02:19	metal loss	NO	11	2.28	1.38		12240	0.344	-12.58	
43957.47			701.6297	02:21	metal loss	NO	12	2.40	1.93		12240	0.344	-13.09	
43959.89			701.5719	09:25	metal loss	NO	12	3.35	0.83		12240	0.344	-15.50	
43962.76			701.5040	02:21	metal loss	NO	10	2.24	1.42		12240	0.344	-18.37	
43981.57			700.8596	05:14	metal loss	YES	11	0.87	1.18		12240	0.344	3.00	
43985.28			700.6769	10:38	Cluster	NO	16	3.58	7.42		12250	0.344	-0.71	
43985.28			700.6769	11:10	metal loss	NO	16	3.46	0.98		12250	0.344	-0.71	
43985.31			700.6754	11:30	metal loss	NO	9	3.23	2.01		12250	0.344	-0.74	
43985.35			700.6736	10:38	metal loss	NO	5	1.10	2.05		12250	0.344	-0.78	
44056.31			697.6612	07:15	metal loss	YES	13	5.04	0.59		12270	0.344	-0.62	
44056.42			697.6626	05:04	Cluster	YES	30	1.85	10.89		12270	0.344	-0.73	
44056.42			697.6626	05:04	metal loss	YES	23	1.61	4.25		12270	0.344	-0.73	
44056.45			697.6630	05:49	metal loss	YES	30	1.42	6.18		12270	0.344	-0.76	
44100.91			699.1291	06:17	metal loss	YES	20	7.44	0.67		12280	0.344	-5.25	

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ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
44100.91			699.1291	05:42	Cluster	YES	23	10.97	12.82		12280	0.344	-5.25	
44101.00			699.1319	05:42	metal loss	YES	11	6.65	2.87		12280	0.344	-5.34	
44101.03			699.1329	06:27	metal loss	YES	19	3.15	0.75		12280	0.344	-5.37	
44101.05			699.1336	06:51	metal loss	YES	16	2.72	2.05		12280	0.344	-5.39	
44101.05			699.1336	07:14	metal loss	YES	23	2.56	0.71		12280	0.344	-5.39	
44101.07			699.1341	07:27	metal loss	YES	13	2.44	1.61		12280	0.344	-5.41	
44101.28			699.1409	06:29	metal loss	YES	5	0.94	0.71		12280	0.344	-5.62	
44101.34			699.1426	07:39	metal loss	YES	7	0.71	0.59		12280	0.344	-5.68	
44101.39			699.1441	06:49	metal loss	YES	6	4.29	1.46		12280	0.344	-5.73	
44101.41			699.1447	07:17	metal loss	YES	12	5.00	0.59		12280	0.344	-5.75	
44101.43			699.1452	06:39	metal loss	YES	6	2.44	0.71		12280	0.344	-5.77	
44101.50			699.1474	07:34	metal loss	YES	5	2.01	0.71		12280	0.344	-5.85	
44101.50			699.1474	07:04	metal loss	YES	6	0.94	0.71		12280	0.344	-5.85	
44134.60			699.8636	04:42	metal loss	NO	26	2.95	0.71		12280	0.344	0.96	
44134.60			699.8636	04:16	Cluster	NO	26	2.95	9.22		12280	0.344	0.96	
44134.67			699.8648	04:16	metal loss	NO	14	1.06	0.75		12280	0.344	0.89	
44134.70			699.8654	05:01	metal loss	NO	21	0.94	4.53		12280	0.344	0.86	
44214.46			700.6012	05:09	metal loss	NO	5	3.66	1.93		12300	0.344	1.08	
44214.46			700.6012	03:44	Cluster	NO	25	4.15	10.91		12300	0.344	1.08	
44214.46			700.6012	04:57	metal loss	NO	22	3.82	0.71		12300	0.344	1.07	
44214.47			700.6012	04:41	metal loss	NO	13	3.58	1.30		12300	0.344	1.07	
44214.47			700.6012	04:27	metal loss	NO	25	4.02	0.71		12300	0.344	1.07	
44214.49			700.6012	04:22	metal loss	NO	21	3.74	0.71		12300	0.344	1.04	
44214.53			700.6012	04:12	metal loss	NO	15	2.56	0.71		12300	0.344	1.01	
44214.53			700.6012	04:02	metal loss	NO	19	2.64	0.59		12300	0.344	1.01	
44214.57			700.6013	03:44	metal loss	NO	11	2.17	0.83		12300	0.344	0.97	
44640.11			697.2894	06:38	metal loss	NO	13	0.87	0.83		12420	0.344	-1.18	
44641.35			697.2719	04:49	metal loss	NO	12	1.02	0.98		12420	0.344	-2.41	
44641.95			697.2633	04:51	metal loss	NO	20	1.38	1.30		12420	0.344	-3.02	
44642.49			697.2557	04:46	metal loss	NO	22	1.10	0.83		12420	0.344	-3.55	
44647.98			697.1778	04:42	Cluster	NO	16	6.84	3.81		12420	0.344	-9.05	
44647.98			697.1778	04:42	metal loss	NO	8	1.77	1.65		12420	0.344	-9.05	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
44648.18			697.1750	04:49	metal loss	NO	16	1.81	1.85		12420	0.344	-9.25	
44648.41			697.1717	05:03	metal loss	NO	15	1.65	1.65		12420	0.344	-9.48	
44698.12			696.1631	04:16	metal loss	NO	13	1.22	1.10		12430	0.344	20.05	
44698.71			696.1486	04:35	metal loss	NO	11	1.10	1.10		12430	0.344	19.46	
44699.21			696.1362	07:38	Cluster	NO	20	3.23	3.77		12430	0.344	18.95	
44699.21			696.1362	07:57	metal loss	NO	20	3.23	1.73		12430	0.344	18.95	
44699.30			696.1340	07:38	metal loss	NO	7	0.94	0.59		12430	0.344	18.87	
44700.94			696.0937	07:56	metal loss	NO	10	1.30	1.26		12430	0.344	17.23	
44701.23			696.0865	04:43	metal loss	NO	10	0.91	0.91		12430	0.344	16.93	
44703.81			696.0230	03:55	metal loss-manufacturing anomaly	N/A	11	0.47	0.83		12430	0.344	14.35	
44757.04			694.8058	06:17	Cluster	NO	14	2.92	2.66		12440	0.344	1.07	
44757.04			694.8058	06:17	metal loss	NO	14	2.91	0.71		12440	0.344	1.07	
44757.06			694.8054	06:24	metal loss	NO	5	2.64	1.85		12440	0.344	1.06	
44918.76			696.3026	08:55	metal loss	NO	17	1.02	8.54		12490	0.344	-0.74	
44940.00			696.5491	08:17	Cluster	NO	15	3.73	5.82		12490	0.344	18.08	
44940.00			696.5491	08:36	metal loss	NO	15	2.99	0.71		12490	0.344	18.08	
44940.04			696.5495	08:41	metal loss	NO	14	2.91	0.71		12490	0.344	18.04	
44940.04			696.5496	08:17	metal loss	NO	8	2.72	1.42		12490	0.344	18.04	
44940.04			696.5496	08:48	metal loss	NO	5	3.23	1.93		12490	0.344	18.04	
44940.16			696.5510	09:06	metal loss	NO	6	0.94	0.71		12490	0.344	17.92	
44963.32			696.8365	09:07	metal loss	NO	17	1.06	1.06		12500	0.344	-5.24	
44997.09			697.2650	04:55	Cluster	NO	12	4.68	9.80		12500	0.344	1.12	
44997.09			697.2650	04:55	metal loss	NO	5	4.68	2.84		12500	0.344	1.12	
44997.13			697.2654	06:04	metal loss	NO	12	3.86	1.30		12500	0.344	1.08	
44997.13			697.2654	05:42	metal loss	NO	11	3.98	1.81		12500	0.344	1.08	
44997.19			697.2662	05:22	metal loss	NO	7	0.94	0.71		12500	0.344	1.01	
44997.27			697.2670	06:22	metal loss	NO	5	0.94	0.71		12500	0.344	0.94	
45013.10			697.4398	06:29	metal loss	NO	17	0.98	0.63		12510	0.344	-14.90	
45112.14			698.9924	12:30	metal loss	NO	38	1.10	1.22		12540	0.344	-0.76	
45112.14			698.9924	12:01	metal loss	NO	39	1.22	0.59		12540	0.344	-0.76	
45138.44			699.5063	03:57	metal loss	NO	14	0.98	1.10		12550	0.344	-4.88	
45139.21			699.5193	03:34	Cluster	NO	47	5.47	5.59		12550	0.344	-5.64	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)	(b) (7)(F)	ft				%	in	in			in	ft	%
45139.21	(b) (7)(F)	(b) (7)(F)	699.5193	04:14	metal loss	NO	32	3.46	1.02		12550	0.344	-5.64	
45139.21	(b) (7)(F)	(b) (7)(F)	699.5194	03:34	metal loss	NO	17	2.87	1.73		12550	0.344	-5.65	
45139.22	(b) (7)(F)	(b) (7)(F)	699.5195	04:01	metal loss	NO	47	2.95	0.71		12550	0.344	-5.66	
45139.48	(b) (7)(F)	(b) (7)(F)	699.5239	04:19	metal loss	NO	5	2.17	0.91		12550	0.344	-5.92	
45151.38	(b) (7)(F)	(b) (7)(F)	699.7154	04:21	metal loss	NO	14	1.22	1.34		12550	0.344	-17.81	
45166.83	(b) (7)(F)	(b) (7)(F)	699.9389	05:55	metal loss-manufacturing anomaly	N/A	21	0.47	0.55		12550	0.344	6.78	
45175.13	(b) (7)(F)	(b) (7)(F)	700.0533	05:30	metal loss	NO	22	0.83	1.42		12560	0.344	-1.52	
45175.35	(b) (7)(F)	(b) (7)(F)	700.0563	04:54	metal loss	NO	23	0.94	2.17		12560	0.344	-1.74	
45676.40	(b) (7)(F)	(b) (7)(F)	666.5590	06:20	Cluster	NO	36	3.82	6.49		12710	0.344	-0.81	
45676.40	(b) (7)(F)	(b) (7)(F)	666.5590	06:20	metal loss	NO	13	3.19	1.97		12710	0.344	-0.81	
45676.42	(b) (7)(F)	(b) (7)(F)	666.5597	07:16	metal loss	NO	23	3.66	0.71		12710	0.344	-0.82	
45676.42	(b) (7)(F)	(b) (7)(F)	666.5600	06:56	metal loss	NO	26	3.11	1.10		12710	0.344	-0.82	
45676.43	(b) (7)(F)	(b) (7)(F)	666.5603	06:46	metal loss	NO	36	2.87	0.71		12710	0.344	-0.83	
45950.05	(b) (7)(F)	(b) (7)(F)	689.2820	06:13	metal loss	NO	9	2.17	5.24		12780	0.344	1.03	
45950.05	(b) (7)(F)	(b) (7)(F)	689.2820	04:27	Cluster	NO	11	2.63	16.36		12780	0.344	1.03	
45950.06	(b) (7)(F)	(b) (7)(F)	689.2833	05:36	metal loss	NO	11	1.65	2.72		12780	0.344	1.01	
45950.10	(b) (7)(F)	(b) (7)(F)	689.2865	04:54	metal loss	NO	5	1.61	3.66		12780	0.344	0.97	
45950.15	(b) (7)(F)	(b) (7)(F)	689.2903	07:27	Cluster	NO	14	1.25	2.24		12780	0.344	0.92	
45950.15	(b) (7)(F)	(b) (7)(F)	689.2903	07:42	metal loss	NO	14	0.87	0.67		12780	0.344	0.92	
45950.16	(b) (7)(F)	(b) (7)(F)	689.2913	04:27	metal loss	NO	7	1.22	1.02		12780	0.344	0.91	
45950.18	(b) (7)(F)	(b) (7)(F)	689.2924	07:27	metal loss	NO	6	0.94	0.71		12780	0.344	0.90	
45951.57	(b) (7)(F)	(b) (7)(F)	689.4027	07:14	Cluster	NO	10	2.40	5.82		12790	0.344	-0.49	
45951.57	(b) (7)(F)	(b) (7)(F)	689.4027	07:46	metal loss	NO	10	2.40	0.67		12790	0.344	-0.49	
45951.61	(b) (7)(F)	(b) (7)(F)	689.4066	08:03	metal loss	NO	5	1.18	0.79		12790	0.344	-0.54	
45951.65	(b) (7)(F)	(b) (7)(F)	689.4097	07:14	metal loss	NO	5	0.98	1.81		12790	0.344	-0.58	
45951.85	(b) (7)(F)	(b) (7)(F)	689.4256	07:45	metal loss	NO	12	2.13	0.91		12790	0.344	-0.78	
45951.85	(b) (7)(F)	(b) (7)(F)	689.4256	05:14	Cluster	NO	14	2.63	19.00		12790	0.344	-0.78	
45951.87	(b) (7)(F)	(b) (7)(F)	689.4270	08:03	metal loss	NO	6	1.65	1.38		12790	0.344	-0.80	
45951.88	(b) (7)(F)	(b) (7)(F)	689.4273	07:21	metal loss	NO	14	1.97	1.02		12790	0.344	-0.80	
45951.88	(b) (7)(F)	(b) (7)(F)	689.4280	06:24	metal loss	NO	5	1.53	5.12		12790	0.344	-0.81	
45951.94	(b) (7)(F)	(b) (7)(F)	689.4326	06:10	metal loss	NO	6	0.94	0.71		12790	0.344	-0.87	
45951.96	(b) (7)(F)	(b) (7)(F)	689.4342	05:14	metal loss	NO	6	1.34	4.68		12790	0.344	-0.89	

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ROSOFT Anomaly

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
46109.65			696.3652	04:49	Cluster	NO	26	4.52	5.70		12820	0.344	1.09	
46109.65			696.3652	05:37	metal loss	NO	26	4.53	0.71		12820	0.344	1.09	
46109.65			696.3651	07:07	Cluster	NO	24	3.65	5.03		12820	0.344	1.09	
46109.65			696.3651	07:34	metal loss	NO	15	3.46	0.71		12820	0.344	1.09	
46109.66			696.3648	07:24	metal loss	NO	24	3.54	0.71		12820	0.344	1.08	
46109.68			696.3644	07:42	metal loss	NO	8	3.07	1.38		12820	0.344	1.06	
46109.76			696.3624	04:49	metal loss	NO	9	1.53	3.66		12820	0.344	0.98	
46109.84			696.3603	07:07	metal loss	NO	6	0.94	0.59		12820	0.344	0.90	
46190.01			693.4018	05:32	Cluster	NO	15	2.56	9.59		12840	0.344	1.11	
46190.01			693.4018	05:32	metal loss	NO	15	2.28	0.71		12840	0.344	1.11	
46190.04			693.4008	05:39	metal loss	NO	8	2.24	4.02		12840	0.344	1.08	
46190.08			693.3994	06:26	metal loss	NO	10	1.61	3.86		12840	0.344	1.05	
46190.08			693.3991	04:11	metal loss	NO	9	2.17	1.53		12840	0.344	1.04	
46190.08			693.3991	04:11	Cluster	NO	14	2.17	4.65		12840	0.344	1.04	
46190.10			693.3985	04:37	metal loss	NO	14	1.26	1.93		12840	0.344	1.02	
46191.89			693.3283	06:26	Cluster	NO	12	0.91	7.39		12850	0.344	-0.77	
46191.89			693.3283	07:00	metal loss	NO	9	0.91	0.59		12850	0.344	-0.77	
46191.90			693.3280	07:23	metal loss	NO	12	0.79	1.42		12850	0.344	-0.78	
46191.91			693.3277	08:05	metal loss	NO	11	0.75	1.22		12850	0.344	-0.79	
46191.91			693.3277	06:26	metal loss	NO	5	0.67	1.65		12850	0.344	-0.79	
46191.92			693.3271	03:44	metal loss	NO	15	0.87	1.93		12850	0.344	-0.80	
46196.86			693.1403	08:14	metal loss	NO	10	1.93	2.13		12850	0.344	-5.74	
46196.86			693.1403	08:11	Cluster	NO	10	3.97	2.39		12850	0.344	-5.74	
46197.10			693.1315	08:11	metal loss	NO	7	1.14	1.58		12850	0.344	-5.98	
46199.31			693.0482	08:25	Cluster	NO	11	1.06	3.39		12850	0.344	-8.19	
46199.31			693.0482	08:50	metal loss	NO	8	1.02	0.87		12850	0.344	-8.19	
46199.32			693.0481	08:25	metal loss	NO	11	1.02	0.94		12850	0.344	-8.19	
46272.09			691.1071	09:23	metal loss	NO	21	1.02	0.91		12870	0.344	-0.79	
46333.84			690.0619	09:03	metal loss-manufacturing anomaly	N/A	24	4.57	0.71		12880	0.344	17.43	
46343.06			689.8947	08:57	metal loss-manufacturing anomaly	N/A	10	3.98	1.73		12880	0.344	8.21	
46377.81			689.2407	07:36	metal loss-manufacturing anomaly	N/A	12	0.94	1.06		12890	0.344	13.51	
46430.41			688.4641	07:31	metal loss	NO	38	1.65	1.14		12900	0.344	0.92	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
46430.44			688.4638	08:03	metal loss	NO	28	1 06	2.13		12900	0.344	0.89	
46432.14			688.4468	05:08	metal loss	NO	10	0 91	0.87		12910	0.344	-0.81	
46437.34			688.4050	07:18	metal loss-manufacturing anomaly	N/A	14	0 59	0.71		12910	0.344	-6.01	
46664.82			688.7538	04:49	metal loss	NO	20	0 94	0.67		12980	0.344	-7.96	
46733.12			685.3023	08:25	metal loss	NO	15	0 87	0.94		13000	0.344	14.16	
46764.12			683.1255	04:13	Cluster	NO	12	3 56	3.48		13020	0.344	-0.61	
46764.12			683.1255	04:40	metal loss	NO	9	2 05	0.59		13020	0.344	-0.61	
46764.12			683.1252	04:13	metal loss	NO	12	3 50	1.02		13020	0.344	-0.61	
46764.21			683.1199	04:24	metal loss	NO	6	0 94	0.71		13020	0.344	-0.70	
46764.26			683.1164	05:15	Cluster	NO	28	5 63	13.45		13020	0.344	-0.75	
46764.26			683.1164	05:40	metal loss	NO	28	5 63	0.79		13020	0.344	-0.75	
46764.28			683.1152	07:10	metal loss	NO	6	1 34	1.38		13020	0.344	-0.77	
46764.30			683.1140	06:12	metal loss	NO	6	3 03	4.68		13020	0.344	-0.79	
46764.33			683.1120	05:55	metal loss	NO	11	3 35	1.38		13020	0.344	-0.82	
46764.39			683.1083	05:15	metal loss	NO	5	1 73	1.50		13020	0.344	-0.88	
46764.44			683.1050	07:09	metal loss	NO	14	1 38	1.42		13020	0.344	-0.93	
46869.83			688.1264	11:25	metal loss-manufacturing anomaly	N/A	12	3 42	4.53		13040	0.344	13.85	
47266.22			680.9187	03:19	Cluster	NO	11	3 04	7.08		13190	0.344	-0.75	
47266.22			680.9187	03:19	metal loss	NO	7	3 03	1.02		13190	0.344	-0.75	
47266.24			680.9203	01:47	metal loss	NO	12	0 94	1.97		13190	0.344	-0.77	
47266.25			680.9207	03:42	metal loss	NO	11	2 13	2.64		13190	0.344	-0.78	
47266.25			680.9208	04:20	metal loss	NO	5	0 94	0.71		13190	0.344	-0.78	
47298.31			683.6045	12:16	metal loss	NO	9	0 63	0.71		13200	0.344	-11.80	
47298.31			683.6045	12:16	Cluster	NO	11	4 48	1.49		13200	0.344	-11.80	
47298.43			683.6158	12:21	metal loss	NO	6	1 69	0.71		13200	0.344	-11.92	
47298.60			683.6321	12:20	metal loss	NO	11	0 91	1.02		13200	0.344	-12.09	
47299.22			683.6899	12:15	metal loss	NO	14	0 71	0.87		13200	0.344	-12.71	
47325.43			686.1354	03:43	Cluster	NO	21	5 09	23.79		13200	0.344	1.14	
47325.43			686.1354	06:16	metal loss	NO	17	5 08	3.03		13200	0.344	1.14	
47325.50			686.1422	08:37	metal loss	NO	8	3 54	1.10		13200	0.344	1.07	
47325.50			686.1422	08:37	Cluster	NO	10	3 55	7.37		13200	0.344	1.07	
47325.52			686.1440	06:53	metal loss	NO	5	2 09	3.94		13200	0.344	1.05	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
47325.53			686.1445	05:13	metal loss	NO	18	2.64	2.32		13200	0.344	1.05	
47325.53			686.1447	05:41	metal loss	NO	21	2.84	1.77		13200	0.344	1.05	
47325.53			686.1449	09:05	metal loss	NO	10	3.19	1.34		13200	0.344	1.04	
47325.55			686.1469	09:26	metal loss	NO	10	2.72	0.71		13200	0.344	1.02	
47325.55			686.1470	09:41	metal loss	NO	9	2.72	0.71		13200	0.344	1.02	
47325.56			686.1482	04:22	metal loss	NO	11	1.34	3.58		13200	0.344	1.01	
47325.68			686.1597	07:03	metal loss	NO	5	1.50	1.22		13200	0.344	0.89	
47325.70			686.1610	03:43	metal loss	NO	10	0.83	2.01		13200	0.344	0.88	
47325.72			686.1632	04:56	metal loss	NO	14	0.67	0.71		13200	0.344	0.85	
47327.36			686.3200	02:21	metal loss	NO	7	1.61	2.24		13210	0.344	-0.79	
47327.36			686.3200	01:15	Cluster	NO	20	1.61	9.17		13210	0.344	-0.79	
47327.38			686.3222	02:02	metal loss	NO	20	1.26	0.75		13210	0.344	-0.81	
47327.39			686.3226	01:15	metal loss	NO	7	1.14	3.74		13210	0.344	-0.81	
47373.61			690.6943	04:39	metal loss-manufacturing anomaly	N/A	11	0.43	0.71		13220	0.344	-6.96	
47373.76			690.7073	04:34	metal loss-manufacturing anomaly	N/A	14	0.63	0.71		13220	0.344	-7.11	
47548.14			694.5206	06:06	metal loss	NO	24	3.31	0.71		13260	0.344	1.18	
47548.14			694.5206	04:45	Cluster	NO	33	4.97	18.45		13260	0.344	1.18	
47548.20			694.5201	05:46	metal loss	NO	25	3.15	0.71		13260	0.344	1.13	
47548.27			694.5194	06:14	metal loss	NO	12	2.91	3.39		13260	0.344	1.06	
47548.28			694.5194	05:00	metal loss	NO	12	2.99	3.42		13260	0.344	1.05	
47548.28			694.5193	04:45	metal loss	NO	33	3.31	1.02		13260	0.344	1.05	
47548.38			694.5184	06:43	metal loss	NO	15	1.34	6.06		13260	0.344	0.95	
47548.42			694.5181	04:05	metal loss	NO	15	0.91	1.42		13260	0.344	0.91	
47705.64			692.7179	05:35	metal loss	NO	10	1.18	0.94		13330	0.344	-0.84	
48680.41			669.5126	03:46	metal loss-manufacturing anomaly	N/A	22	4.02	0.59		13650	0.344	14.11	
48804.83			683.8631	06:13	metal loss	NO	5	0.83	0.67		13700	0.344	-0.51	
48804.83			683.8631	05:14	Cluster	NO	36	6.95	8.27		13700	0.344	-0.51	
48804.87			683.8685	06:00	metal loss	NO	7	0.55	0.71		13700	0.344	-0.54	
48804.99			683.8866	05:53	metal loss	NO	35	5.04	0.79		13700	0.344	-0.67	
48805.02			683.8906	06:15	metal loss	NO	6	1.69	0.71		13700	0.344	-0.69	
48805.05			683.8959	06:05	metal loss	NO	14	1.06	0.71		13700	0.344	-0.73	
48805.06			683.8965	05:14	metal loss	NO	20	1.89	2.84		13700	0.344	-0.73	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)	(b) (7)(F)	ft				%	in	in			in	ft	%
48805.18	(b) (7)(F)	(b) (7)(F)	683.9152	06:21	metal loss	NO	27	0.91	0.94		13700	0.344	-0.86	
48805.26	(b) (7)(F)	(b) (7)(F)	683.9271	05:25	metal loss	NO	34	1.10	1.53		13700	0.344	-0.94	
48805.29	(b) (7)(F)	(b) (7)(F)	683.9313	06:20	metal loss	NO	36	1.06	1.38		13700	0.344	-0.97	
49768.63	(b) (7)(F)	(b) (7)(F)	699.2772	04:45	metal loss	NO	6	5.08	3.46		13950	0.344	-0.57	
49768.63	(b) (7)(F)	(b) (7)(F)	699.2772	03:55	Cluster	NO	26	5.08	10.77		13950	0.344	-0.57	
49768.65	(b) (7)(F)	(b) (7)(F)	699.2774	05:30	metal loss	NO	26	4.68	0.83		13950	0.344	-0.60	
49768.73	(b) (7)(F)	(b) (7)(F)	699.2782	03:55	metal loss	NO	6	2.64	1.18		13950	0.344	-0.67	
49768.75	(b) (7)(F)	(b) (7)(F)	699.2784	04:08	metal loss	NO	8	2.52	0.71		13950	0.344	-0.69	
49768.76	(b) (7)(F)	(b) (7)(F)	699.2786	04:29	metal loss	NO	5	1.26	0.79		13950	0.344	-0.71	
49768.88	(b) (7)(F)	(b) (7)(F)	699.2798	04:38	metal loss	NO	6	0.94	0.71		13950	0.344	-0.82	
50192.33	(b) (7)(F)	(b) (7)(F)	687.4183	08:37	Cluster	NO	20	4.67	1.53		14060	0.344	-14.11	
50192.33	(b) (7)(F)	(b) (7)(F)	687.4183	08:37	metal loss	NO	6	1.10	1.06		14060	0.344	-14.11	
50192.36	(b) (7)(F)	(b) (7)(F)	687.4164	08:41	metal loss	NO	20	4.25	1.10		14060	0.344	-14.15	
50194.02	(b) (7)(F)	(b) (7)(F)	687.3295	08:48	metal loss	NO	12	0.98	1.06		14060	0.344	-15.80	
50196.57	(b) (7)(F)	(b) (7)(F)	687.1957	09:07	metal loss	NO	10	0.87	0.91		14060	0.344	-18.35	
50199.17	(b) (7)(F)	(b) (7)(F)	687.0591	04:15	Cluster	YES	33	10.43	5.57		14060	0.344	19.11	
50199.17	(b) (7)(F)	(b) (7)(F)	687.0591	04:46	metal loss	YES	9	1.34	1.53		14060	0.344	19.11	
50199.31	(b) (7)(F)	(b) (7)(F)	687.0517	04:48	metal loss	YES	7	0.83	0.87		14060	0.344	18.97	
50199.43	(b) (7)(F)	(b) (7)(F)	687.0452	04:43	metal loss	YES	6	1.02	0.71		14060	0.344	18.84	
50199.54	(b) (7)(F)	(b) (7)(F)	687.0397	05:01	metal loss	YES	13	4.13	0.79		14060	0.344	18.74	
50199.54	(b) (7)(F)	(b) (7)(F)	687.0396	04:48	metal loss	YES	22	3.86	0.71		14060	0.344	18.74	
50199.54	(b) (7)(F)	(b) (7)(F)	687.0396	04:34	metal loss	YES	33	3.86	0.79		14060	0.344	18.74	
50199.56	(b) (7)(F)	(b) (7)(F)	687.0385	04:43	metal loss	YES	33	3.82	0.71		14060	0.344	18.72	
50199.57	(b) (7)(F)	(b) (7)(F)	687.0381	04:15	metal loss	YES	18	3.39	1.22		14060	0.344	18.71	
50199.91	(b) (7)(F)	(b) (7)(F)	687.0200	04:39	metal loss	YES	6	1.50	1.06		14060	0.344	18.36	
50200.15	(b) (7)(F)	(b) (7)(F)	687.0075	04:37	Cluster	YES	17	4.44	0.98		14060	0.344	18.13	
50200.15	(b) (7)(F)	(b) (7)(F)	687.0075	04:37	metal loss	YES	7	0.91	0.94		14060	0.344	18.13	
50200.31	(b) (7)(F)	(b) (7)(F)	686.9992	04:37	metal loss	YES	17	1.22	0.94		14060	0.344	17.97	
50200.42	(b) (7)(F)	(b) (7)(F)	686.9936	04:38	metal loss	YES	6	1.26	0.71		14060	0.344	17.86	
50200.65	(b) (7)(F)	(b) (7)(F)	686.9820	04:29	metal loss	YES	19	3.15	1.73		14060	0.344	17.63	
50201.03	(b) (7)(F)	(b) (7)(F)	686.9637	04:38	metal loss	YES	16	0.63	0.71		14060	0.344	17.25	
50681.04	(b) (7)(F)	(b) (7)(F)	682.5446	10:07	metal loss-manufacturing anomaly	N/A	15	1.97	0.59		14190	0.344	-10.34	

Client Plains All American
 ROSEN Proj. No. 0-1000-10908
 Inspection Type EGP, CDG
 Inspection Date: June 19 2007
 Report Date: August 15, 2007
 ROSEN Line Name: 24" LAS-GAV

24" LAS FLORES TO GAVIOTA

ROSOFT Anomaly

Inspection Technologies
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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)		ft				%	in	in			in	ft	%
50738.69			681.9054	06:38	metal loss	YES	16	0.59	0.71		14200	0.344	11.96	
51120.59			670.9346	10:34	metal loss-manufacturing anomaly	N/A	14	0.47	0.71		14300	0.344	-11.02	
51188.03			668.1886	08:05	metal loss	NO	10	2.32	1.34		14310	0.344	0.77	
51188.03			668.1886	07:28	Cluster	NO	10	2.48	5.22		14310	0.344	0.77	
51188.03			668.1886	07:28	metal loss	NO	5	2.48	3.39		14310	0.344	0.77	
51890.81			673.3727	07:06	metal loss-manufacturing anomaly	N/A	18	0.59	0.71		14590	0.344	-2.84	
53107.12			688.9615	08:11	Cluster	NO	15	4.16	7.29		14900	0.344	-0.73	
53107.12			688.9615	08:11	metal loss	NO	11	4.17	2.01		14900	0.344	-0.73	
53107.20			688.9629	08:36	metal loss	NO	15	2.44	1.34		14900	0.344	-0.81	
53107.20			688.9630	09:07	metal loss	NO	7	1.93	1.46		14900	0.344	-0.82	
53187.09			690.9981	05:45	metal loss	NO	12	3.23	0.71		14920	0.344	-0.60	
53187.09			690.9981	05:19	Cluster	NO	12	3.23	8.71		14920	0.344	-0.60	
53187.09			690.9981	05:19	metal loss	NO	9	2.79	0.59		14920	0.344	-0.60	
53187.11			690.9989	05:31	metal loss	NO	5	0.94	0.71		14920	0.344	-0.62	
53187.15			691.0003	06:09	metal loss	NO	5	1.77	3.42		14920	0.344	-0.65	
53187.97			691.0328	06:30	metal loss	NO	21	4.05	1.53		14920	0.344	-1.48	
53188.01			691.0344	05:33	metal loss	NO	24	3.70	0.63		14920	0.344	-1.52	
53188.01			691.0344	05:33	Cluster	NO	24	3.70	3.00		14920	0.344	-1.52	
53188.04			691.0357	05:46	metal loss	NO	12	2.17	1.65		14920	0.344	-1.55	
53188.12			691.0387	04:54	metal loss	NO	12	1.73	1.85		14920	0.344	-1.62	
53188.47			691.0524	05:14	metal loss	NO	10	1.10	0.91		14920	0.344	-1.97	
53920.16			675.2186	04:36	metal loss-manufacturing anomaly	N/A	10	0.51	0.71		15100	0.344	10.28	
55090.68			695.9362	04:30	Cluster	NO	12	3.08	9.28		15420	0.344	-0.71	
55090.68			695.9362	04:30	metal loss	NO	7	2.24	1.46		15420	0.344	-0.71	
55090.71			695.9363	04:59	metal loss	NO	12	1.73	1.10		15420	0.344	-0.73	
55090.73			695.9364	05:25	metal loss	NO	6	1.10	3.54		15420	0.344	-0.76	
55090.84			695.9368	05:41	metal loss	NO	8	1.10	0.98		15420	0.344	-0.87	
55606.64			696.3250	03:06	metal loss-manufacturing anomaly	N/A	23	0.51	0.63		15540	0.344	3.11	
56025.84			686.0071	12:54	metal loss-manufacturing anomaly	N/A	13	0.59	0.59		15660	0.344	-8.43	
56387.34			682.1086	09:19	metal loss	NO	8	2.64	0.71		15770	0.344	0.96	
56387.34			682.1086	08:50	Cluster	NO	14	2.64	3.69		15770	0.344	0.96	
56387.38			682.1088	07:18	metal loss	NO	5	0.98	1.58		15770	0.344	0.91	

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log distance	Latitude	Longitude	height	o'clock orient.	event	at int. pipewall	max. depth	length	width	comment	joint number	wt	to clos. weld	ID Red.
ft	(b) (7)(F)	(b) (7)(F)	ft				%	in	in			in	ft	%
56387.38	(b) (7)(F)	(b) (7)(F)	682.1088	06:59	Cluster	NO	10	1.03	3.62		15770	0.344	0.91	
56387.40	(b) (7)(F)	(b) (7)(F)	682.1088	06:59	metal loss	NO	10	0.87	0.71		15770	0.344	0.90	
56387.40	(b) (7)(F)	(b) (7)(F)	682.1088	08:10	metal loss	NO	10	0.87	1.18		15770	0.344	0.89	
56387.41	(b) (7)(F)	(b) (7)(F)	682.1088	08:50	metal loss	NO	14	0.98	2.09		15770	0.344	0.88	
56387.44	(b) (7)(F)	(b) (7)(F)	682.1089	06:02	metal loss	NO	10	0.71	1.65		15770	0.344	0.85	