Phase 3 Handling Protocol

Aliso Canyon RCA: SS-25 Phase 3 Wellsite Equipment Handling Protocol for Houston, TX Warehouse

Prepared For:

RCA SS-25: CPUC, DOGGR



Purpose:

Protocol for storage and handling the SS-25 tubulars and wellhead at the warehouse

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1 Introduction

This document describes the warehouse specific procedures for handling the SS-25 wellsite equipment as part of Phase 3 of the Root Cause Analysis (RCA) work. The wellsite equipment is comprised of, but not limited to the wellhead, tubing and casing. The objective of this document is to ensure preservation and traceability of the equipment during Phase 4 (NDE and Laboratory Metallurgical Examination) of the RCA. Procedures are presented detailing the following:

- Security system,
- Access control,
- Video surveillance,
- Shipping and receiving,
- · Handling and lifting,
- Placement and storage.

1.1 Background

Blade has provisional authority as granted by the CPUC to conduct a Root Cause Analysis on well SS-25. During the work, the Blade Team and those parties under Blade's direction are responsible for directing the work of contractors retained to perform the extraction of Well SS-25 wellhead, tubing and casing - and the preservation and protection of associated evidence. The person in charge (PIC) of the extraction activities and the protection of evidence on-site is the Blade Team Lead, Ravi Krishnamurthy. Should clarification be required or disagreements arise, CPUC, DOGGR and Blade shall meet and attempt to agree on steps going forward. If the entities are unable to agree on any activities described for tubulars handling for SS-25, Blade will document such differences and the designated regulatory agency will act as the arbiter, and make the final decision.

All well and wellbore equipment, including tubing and casing, shall be considered potential evidence. Therefore, every effort shall be taken to improve the chance for recovery of the tubing and casing and to avoid inadvertent damage to equipment and/or evidence.

Each joint has been numbered as it is extracted to identify its location in the well, and each joint was visually inspected after it was laid out to identify any damage. The damaged sections have been preserved for later inspection. Each joint has been cleaned and a corrosion inhibitor has been applied. The extracted tubulars will then be loaded onto trucks for transport to a secure, climate controlled warehouse in preparation for the metallurgical examination and full length phased array pipe body ultra-sonic pipe inspection. Likewise, each wellhead section has been numbered, visually inspected, cleaned, a corrosion inhibitor applied, and the section crated for storage and transport. The logistics associated with transporting the tubulars are addressed in a separate protocol document.

The Blade Team and the parties under Blade's direction are responsible for handling and protecting evidence during examination, cleaning and preparation for storage, and transport. The person in charge (PIC) of these activities is the Blade Team Lead, Ravi Krishnamurthy.

Blade reserves the right to deviate from these procedures as unique situations arise in the field. Furthermore, the Blade team shall document any significant deviation from these procedures that may affect the ability to collect data and evidence for RCA purposes, and will notify the CPUC, and DOGGR. Blade shall obtain approvals from the CPUC and DOGGR in advance of



subsequent activity, however, should agreement not be reached, Blade will document such differences and the designated regulatory agency will act as the arbiter, and make the final decision.



2 Warehouse Location and Description

2.1 Location

The warehouse is located on Clara Road South of Tanner Rd in Northwest Houston. The physical address is:

5504 Clara Rd

Houston, TX, 77041

Figure 1 shows the ground level view of the warehouse. Figure 2, Figure 3, and Figure 4 show the location of the warehouse.



Figure 1—Ground Level View of 5504 Clara Rd





Figure 2—Aerial Image of 5504 Clara Rd

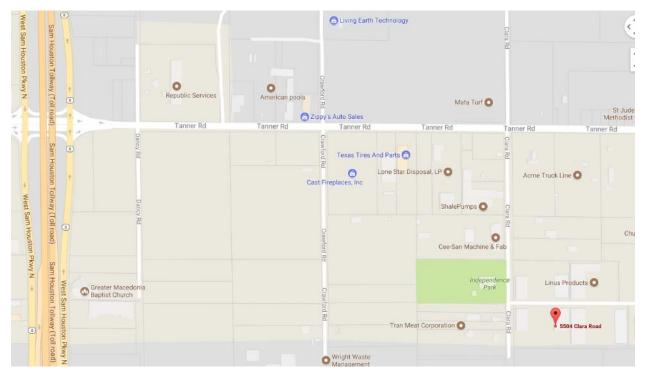


Figure 3— Adjacent Roads to 5504 Clara Rd





Figure 4— Location of 5504 Clara Road in Northwest Houston

2.2 Warehouse Features

The warehouse features:

- 15,000 ft² space: 12,900 ft² warehouse and 2,100 ft² office, see Figure 5 for layout and Figure 6 is a photograph of the inside of the warehouse.
- Length of 150 ft, width of 100 ft and 24 ft eave height,
- Heating, ventilation and air conditioning in warehouse and office,
- Two 5 ton overhead cranes,
- Two grade level overhead doors,
- Two offices with desks,
- One conference room with conference table and chairs,
- Two break rooms,
- One lobby area with desk,
- High speed internet with wireless and wired connections.
- Security, access control and surveillance system
- Multifunction printer, scanner, fax machine.





Figure 5— Warehouse Layout



Figure 6— Warehouse Indoor View



3 Security system

The security system was provided by OMNI Fire and Security System. Figure 7 shows the appearance and location of the two (2) Honeywell control panels. The Primary Panel is accessible through the front office doors. The Secondary Panel should not be used unless the Primary Panel is inoperable.

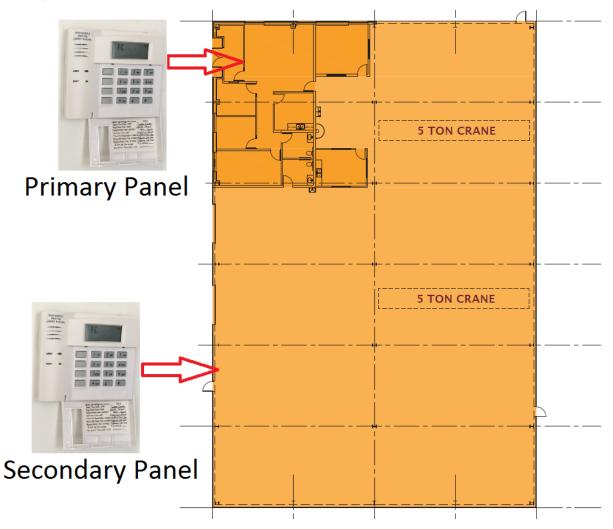


Figure 7— Location of OMNI Security Panels

All exterior opening windows and doors have magnetic contacts. There are seven (7) zones configured as shown in Figure 8 which are linked to the magnetic contacts. If a zone has open doors or windows, then that zone will be indicated on the Primary and Secondary Panels.



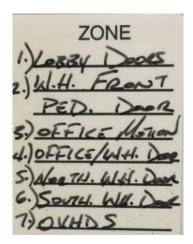


Figure 8— Zone Description for OMNI Security System

3.1 Alarm Code

For authorized personnel, the code for arming and disarming the security system is available to Blade personnel only. Arming and disarming the alarm will be conducted by Blade personnel only.



4 Access control

AECOM has installed an access control panel which controls three (3) doors. Their location is shown in Figure 9. The door marked "1" is the door from the front entrance to the office area. The door marked "2" is the door that leads from office to the warehouse. The door marked "3" leads to the access control hardware. Each access control door has an electric door strike in the frame. A manual key may be used to open the access controlled doors but is logged as a forced opening.

There are card readers on only one side of the door to activate the electric door strike and enter secure areas. A motion sensing device is installed that allows for free exit from secure areas.

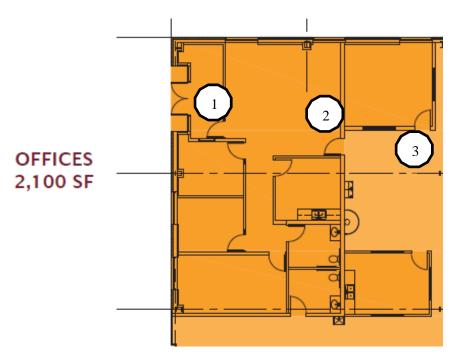


Figure 9— Location of Access Controlled Doors, 3 total

4.1 Access Card Request

Access cards may be requested by completing and submitting the form shown in Figure 10. Requests will be reviewed and approved by Ravi Krishnamurthy.



ACCESS CARD REGISTRATION FORM

5504 CLARA RD, HOUSTON, TX 77041

PHONE #:	
VEHICLE INFORMATION: YEAR:	
MAKE:	MODEL:
VEHICLE LICENSE PLATE:	
Card Holder Signature	Date
Ravi Krishnamurthy	Date
OR OFFICE USE ONLY:	
CCESS CARD NO:	
RANTED ACCESS TIMES: All Doors, 24/7 Access Description of Marshauer Doors, 24/7 Access	
) Entry and Warehouse Doors, 24/7 Access) Entry and Warehouse Doors, 7am-6pm M-F	

Figure 10— Access Control Application Form



4.2 Access Log

An automated log will be generated each time the access controlled doors are opened and closed as shown in Figure 11. The date, time, user name, door name and activity (e.g., opened, closed) is logged.

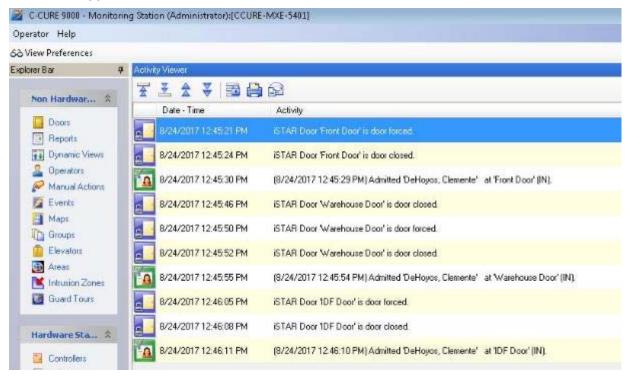


Figure 11— Access Control Activity Viewer



5 Video Surveillance

AECOM has installed seven (7) cameras that in locations shown in Figure 12. The locations are:

- 1. Front Entry
- 2. Exterior, facing warehouse entrance
- 3. Exterior, facing car parking lot
- 4. Warehouse, Northeast corner
- 5. Warehouse, Southeast corner
- 6. Warehouse, Southwest corner
- 7. Warehouse, East wall middle

The video surveillance data acquisition parameters at the warehouse are the same as at the SS-25 wellsite; camera feeds are recording 24hrs, all days, and no overwriting of data.

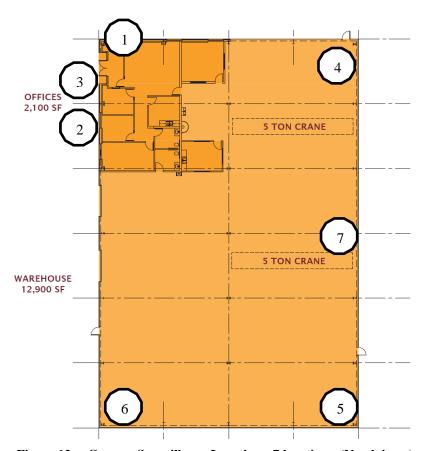


Figure 12— Camera Surveillance Locations, 7 locations, (North is up)



5.1 Remote Viewing

Approximately 10 laptops have been configured with a Video Client Viewer that remotely connects to the warehouse servers to live-stream the camera footage and/or peruse historical data. A screenshot from the Video Client Viewer is shown in Figure 13.

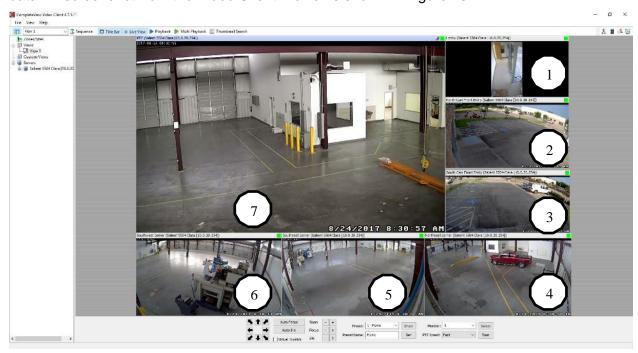


Figure 13— Video Client Viewer, 7 cameras (see previous figure for camera locations)



6 Handling and Lifting

Two (2) 5-ton overhead cranes, shown Figure 14 below, will be used for unloading the wellsite equipment from the trucks and for intra-warehouse moves. The overhead crane shall be operated by qualified crane operators. A spreader beam and nylon slings shall be used for all tubulars greater than 25 ft. Tag lines shall be used for all bolsters and individual joints.



Figure 14— Overhead Cranes



7 Shipping and Receiving

Only wellsite equipment and related handling equipment shall be stored at the warehouse. All wellsite equipment entering or leaving the warehouse shall follow the procedures specified in Appendix – A: Chain of Custody.



8 Tubing Handling Procedures

The tubing from SS-25 will be transported to the warehouse per latest version of the Tubing Logistics Work Plan.

8.1 Tubing Unloading

- 1. Blade Energy Partners shall be contacted to receive the tubing and offload the trucks.
 - a. Contact Details: Ravi Krishnamurthy, Mobile Tel 832.309.6087
- 2. The tubing has been bolstered per Appendix C: Tubing Bolster Matrices.
- 3. The bolsters have been housed within a protective wood enclosure as show below in Figure 15. There are tie-down straps holding the wooden enclosures in place. The locking mechanism for these straps will be sealed with numbered Blade zip ties, which will be used to identify tampering during transportation. The numbers of the Blade zip ties shall be logged on a COC form. Additionally, all wood enclosures and crates will have tamper-evident tape.



Figure 15— Tubing Bolsters within Wood Enclosure

4. At the warehouse, the wood enclosure shall be inspected for damage and tampering. The COC forms for the Blade zip ties shall be reviewed and compared with as-received



- numbers. The tamper-evident tape shall be inspected. If the wood enclosures have been damaged or tampered with, record per Appendix B: Evidence Data Sheet.
- 5. The wood enclosure shall be dismantled prior to offloading the bolsters.
- 6. The trucks will back into a warehouse and an overhead crane will offload the bolsters. Crane operators and slings for offloading will be provided by Blade.
- 7. The tubing bolsters should be single stacked in neat rows on the warehouse floor with at least 3 ft between bolsters. Approximately 1,000 ft² (30 ft x 33 ft) will be required.
- 8. The total number of tubing joints within the bolsters shall be counted and crosschecked with shipping documentation. Tubing will be visually examined for any sign of damage that could have been caused due to transportation. Such damage will be recorded. The transportation methodology used here should cause no damage.
- The tubing will be relinquished by the trucking company and will be received by Blade.
 The COC document will be updated to show the transfer of possession from the trucking company to Blade.
- 10. The crate containing three (3) joints of tubing should be opened but the moisture barrier bag should not be disturbed unless there are indications of damage.



9 7" Casing Handling Procedures

The procedures for receiving and handling the 7" casing will be similar to that of the tubing. The exact manner in which the 7" casing will be transported has yet to be determined at this time, but will be promulgated prior to transportation.

There may be sectioning activities performed at the warehouse. The information contained in Appendix – A: Chain of Custody and Appendix – B: Evidence Data Sheet elaborate on how each section should be recorded.



10 Wellhead Handling Procedures

All of the SS-25 tree and part of the wellhead has been cleaned, inspected, corrosion inhibited, vacuum packed and crated. The handling procedures are as follows:

- 1. The crates will be inspected for damage and tampering.
- 2. If the crates are damaged or the tamper-evident tape indicates a break of seal, the crates shall be opened and the vacuum packaging should be inspected. If there is no damage to the vacuum packaging, leave as-is. If the vacuum packaging is damaged, unpack the item and inspect the items per Appendix B: Evidence Data Sheet.
- 3. Inventory the number of crates and complete the COC forms as per Appendix A: Chain of Custody



Appendix – A: Chain of Custody

The Chain of Custody (COC) form documents the possession and transfer/movement history of the tubulars, sections and samples that are extracted or removed. Each COC form will have a COC Form Number that has been tied to individual Evidence Data Sheets through the Joint Sequence Number or Section Number.

• Wellhead/Tree COC

Each wellhead/tree section will have its own individual COC form. The Section Number has been entered on the COC form, and the COC Form Number has been entered on the Evidence Data Sheet.

The wellhead COC Form Numbers has been as follows:

Wellhead section: AC-RCA-25-W001, AC-RCA-25-W002, AC-RCA-25-W003....

• 2-7/8" Tubing COC

Every 2 7/8" joint will have its own COC form.

The Joint Sequence Number for each joint covered under a particular COC form has been entered on the COC form, and the COC Form Number will also be entered on the Evidence Data Sheet for each joint covered under the COC form.

The tubing COC Form numbers has been as follows:

2 7/8" tubing joints: AC-RCA-25-T001, AC-RCA-25-T002, AC-RCA-25-T003...

7.0" Casing COC

Every 7.0" casing joint will have its own individual COC form. The Joint Sequence Number will entered on the COC form, and the COC Form Number will entered on the Evidence Data Sheet.

The casing COC Form numbers has been as follows:

> 7" casing joints: AC-RCA-25-C001, AC-RCA-25-C002, AC-RCA-25-C003...

Once completed, a scanned copy of the COC form has been made. The original tubing and casing COC forms will travel with the bolsters and/or crated samples. Original wellhead COC forms will travel with the crate for that section. The COC forms will therefore travel with the joint/section as it is moved from one location to another. The receiver has been instructed to complete the COC form upon receipt of the evidence and a copy has been sent to the Blade RCA team. The movement history has been recorded in the Blade COC log. As such, the movement history of every tubing, casing and wellhead section that is extracted from the wellbore has been identified and tracked. Examples of Chain of Custody forms are shown in Figure 16 through Figure 18.

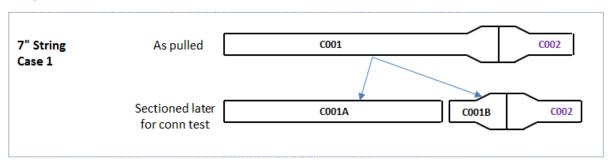
10.1 Detailed Examples on Numbering When Sectioning

Below are 3 similar example cases for the 7" casing showing how JSN's are assigned after a joint is sectioned. The 7" process is complicated by the fact that a 7 inch "joint" actually consists of parts of two different joints. Further the connections require

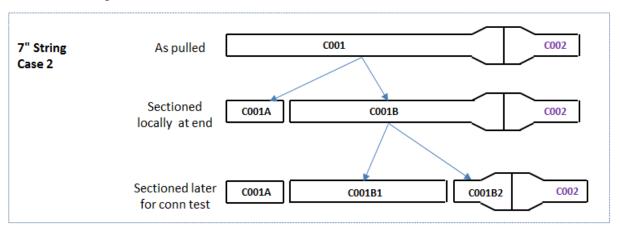


sectioning either prior to or after transportation to Houston. The three cases below discuss the numbering / naming convention that will be followed.

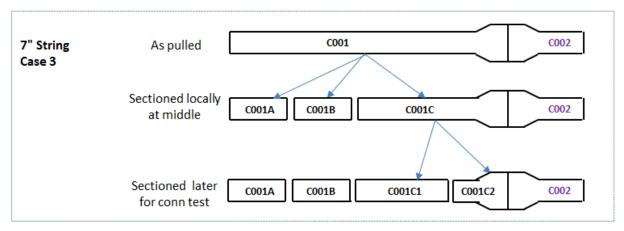
Case 1: This scenario assumes the 7" joint is sectioned in Houston for the connection test. The casing is transported with connection. Note that the JSN of the **short C002 end is not considered for the purposes of traceability,** which is instead based around the JSN of the "long" end.



Case 2: This scenario assumes a local sectioning at one end of the 7" occurs at Aliso, and the sectioning of the connection in Houston.



Case 3: This scenario assumes a local section in the middle of the joint followed later by sectioning for the connection test.





10.2 Sectioning Traceability - Casing COC Structure for Sections

The following examples show how the COC forms headers should be filled out (blue text) to ensure that cut Sections can be properly traced back to the parent joint.

• The COC header for a joint just after is pulled would be completed as follows:

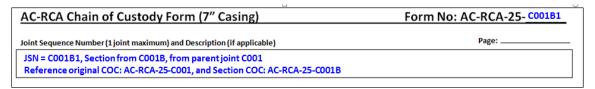
AC-RCA Chain of Custody Form (7" Casing)	Form No: AC-RCA-25-C001
Joint Sequence Number (1 joint maximum) and Description (if applicable)	Page:
JSN = C001	

 Suppose the joint is sectioned locally at one end, resulting in two pieces/Sections C001A and C001B. The headers for the two new COC's would be completed as follows:

AC-RCA Chain of Custody Form (7" Casing)	Form No: AC-RCA-25-C001A
Joint Sequence Number (1 joint maximum) and Description (if applicable)	Page:
JSN = C001A, Section from parent joint C001 Reference original COC: AC-RCA-25-C001	
Neterence original Coc. Ac-NCA-25-Cool	

Form No: AC-RCA-25-C001B
Page:

Now suppose that C001B is sectioned again later for the connection test, resulting in two
additional pieces/Sections C001B1 and C001B2. The headers for the two new COC's would
be completed as follows:



AC-RCA Chain of Custody Form (7" Casing)	Form No: AC-RCA-25- C001B2
Joint Sequence Number (1 joint maximum) and Description (if applicable)	Page:
JSN = C001B2, Section from C001B, from parent joint C001	
Reference original COC: AC-RCA-25-C001, and Section COC: AC-RCA-25-C001B	

The format for the EDS forms that are generated for each new Section is as follows:

BLAD	E EVIDENCE DATA SHE	EET - CASING	В	LA		Ξ
Description:	7" Casing	_				
Joint Sequence Number:	C001B2	Photos Taken:	Υ		N	0
Sample No. (if applicable):		Video Taken:	Υ		N	0
Date & Time Collected:	8-Aug, 2017 1440 hrs	Has Label:	Υ		N	0
COC Form Number:	AC-RCA-25-C001B2					
Inspection Location:		Blade Rep				
		-				



Form No: AC-RCA-25-T001

AC-RCA Chain of Custody Form (2-7/8" Tubing)

Joint Sequence Number (1 joint maximum) and Description (if applicable)

Provide signature, company, date/time, and q	quantity of sample(s) t	Provide signature, company, date/time, and quantity of sample(s) to document evidence of transfers. Discuss any changes and alterations to the sample in the comment section.	anges and alterations	to the sample in the comment section.	
1. Relinquished By:	Date/Time/Joint	2. Received By:	Date/Time/Joint	Comment	_
(Company Name)	367/QI	(Company Name)	387/QI		_
Print Name:		Print Name:		If applicable, Does Tag/Seal No. • Match Shipper? (V/N)If No, explain (or notate any evidence of padage tampering):	
Signature:		Signature:		Any changes to sample (s)? (Y/N)	
Tag/Seal No:		Tag/Seal No:		1 ¥13, 154 juli	
3. Relinquished By: (Company Name)	Date/Time/Joint ID/Log	4. Received By: (Company Name)	Date/Time/Joint ID/Log	Comment	_
Print Name:		Print Name:		If applicable, Does Tag/Seal No. • Match Shipper? (V/N) If No, explain (or notate any evidence of padage tampering):	
Signature:		Signature:		Any changes to sample [s]? [V/N]	
Tag/Seal No:		Tag/Seal No:		Tyes, explain:	
5. Relinquished By: (Company Name)	Date/Time/Joint ID/Log Log	6. Received By: (Company Name)	Date/Time/Joint ID/Log	Comment	_
Print Name		Print Name:		If applicable, Does Tag/Seal No. * Match Shipper? (Y/N)If No, explain (or notate any evidence of package	

Figure 16—2-7/8" Tubing COC Forms

* If tag/seal number does not match shipper's noted tag number, immediately notify shipper.

Any changes to sample (s)? (Y/N)_ If yes, explain:

Tag/Seal No:

Tag/Seal No:

Signature:

Print Name:

Print Name:

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Form No: AC-RCA-25-C001

AC-RCA Chain of Custody Form (7" Casing)

Joint Sequence Number (1 joint maximum) and Description (if applicable)

4	Provide signature, company, date/time, and qu	uantity of sample(s) t	Provide signature, company, date/time, and quantity of sample(s) to document evidence of transfers. Discuss any changes and alterations to the sample in the comment section.	nges and alterations	to the sample in the comment section.
	1. Relinquished By: (Company Name)	Date/Time/Joint ID/Loc	2. Received By: (Company Name)	Date/Time/Joint ID/Loc	Comment
	Print Name:		Print Name:		If applicable, Does Tag/Seal No. • Match Shipper? [V/N] If No, explain (or notate any evidence of pack tampering):
	Signature:		Signature:		Any changes to sample(s)? (V/N)
	Tag/Seal No:		Tag/Seal No:		nyes, explain:
	3. Relinquished By: (Company Name)	Date/Time/Joint ID/Loc	4. Received By: (Company Name)	Date/Time/Joint ID/Loc	Comment
	Print Name:		Print Name:		if applicable, Does Tag/Seal No. • Match Shipper? [V/N] If No, explain (or notate any evidence of pade tampering):
	Signature:		Signature:		Any changes to sample(s)? {V/N}
	Tag/Seal No:		Tag/Seal No:		ífyes, explain:
	5. Relinquished By: (Company Name)	Date/Time/Joint ID/Log Log	6. Received By: (Company Name)	Date/Time/Joint ID/Loc	Comment
	Print Name:		Print Name:		if applicable, Does Tag/Seal No. • Match Shipper? (Y/N) If No, explain (or notate any evidence of pack tampering):
	Signature:		Signature:		Any changes to sample(s)? (Y/N)
	Tag/Seal No:		Tag/Seal No:		lfyes, explain:

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AC-RCA Chain of Custody Form (Wellhead and Tree)

Section Number and Description (if applicable)

Form No: AC-RCA-25-W001

Provide signature, company, date/time, and qu	uantity of sample(s) t	and quantity of sample(s) to document evidence of transfers. Discuss any changes and alterations to the sample in the comment section.	inges and alterations	to the sample in the comment section.
1. Relinquished By:	Date/Time/Joint ID/Loc	2. Received By: (Company Name)	Date/Time/Joint ID/Log	Comment
Print Name:		Print Name:		If applicable, Does Tag/Seal No.* Match Shipper? (Y/N)If No, explain (or notate any evidence of package tampering):
Signature:		Signature:		Any changes to sample [s]? (Y/N)
Tag/Seal No:		Tag/Seal No:		
3. Relinquished By: (Company Name)	Date/Time/Joint ID/Loc	4. Received By: (Company Name)	Date/Time/Joint ID/Loc	Comment
Print Name:		Print Name:		If applicable, Does Tag/Seal No.* Match Shipper? [V/N] If No, explain (or notate any evidence of package tampering):
Signature:		Signature:		Any changes to sample (s)? (Y/N)
Tag/Seal No:		Tag/Seal No:		a company of the state of the s
5. Relinquished By: (Company Name)	Date/Time/Joint ID/Loc Loc	6. Received By: (Company Name)	Date/Time/Joint ID/Log	Comment
Print Name:		Print Name:		If applicable, Does Tag/Seal No.* Match Shipper? (Y/N) If No, explain (or notate any evidence of package tampering):
Signature:		Signature:		Any changes to sample (s)? (Y/N)
Tag/Seal No:		Tag/Seal No:		Tyes, explain:

* If tag/seal number does not match shipper's noted tag number, immediately notify shipper.

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Appendix – B: Evidence Data Sheet

An Evidence Data Sheet has been generated for every tubing and casing joint extracted from the wellbore as well as for each section removed from the wellhead/tree. The Evidence Data Sheet will contain all the relevant data for each individual joint or wellhead section including quantitative measurements such dimensional measurements, visual observations and so on.

- The Evidence Data Sheet for casing/tubing will use the Joint Sequence Number as a unique traceability identifier. The Evidence Data Sheet for Wellhead/Tree will use the Section Number as a unique traceability identifier.
- 2) Corrosion/scale samples that are collected has been considered "samples" of the parent joint. Each sample has been identified by a unique Sample Number that will tie the sample back to the parent joint. The Sample Number has been generated by adding S1, S2, S3, and so on to the Joint Sequence Number.
 - a) Example: if a scale sample is taken from joint number T001, the scale Sample Number has been "T001S1". A label with the sample number has been affixed to the bag containing the sample.
- 3) If a portion of a casing or tubing joint is cut and removed, the cut section has been considered as a "section" of the parent joint. Each section has been identified by a unique Section Number that will tie the section back to the parent joint. The Section Number has been generated by adding 'A', 'B', 'C' and so on to the Joint Sequence Number. This Section Number has been stenciled on the OD of the cut section.
 - a) Example: If a section is cut/removed from joint number C001, the Section Number for the different sections has been identified as "C001A", "C001B" and so on.
- 4) Likewise, if a wellhead section is disassembled a unique letter has been assigned to each of the sub-sections. For example, if section W001 is disassembled the different sub-sections has been "W001A", "W001B" and so on.
- 5) A separate Evidence Data Sheet has been generated for each sample or section described above.
- 6) A separate COC form has been generated for each sample or section. The Evidence Data Sheet will also reference the COC Form Number.
- 7) This process for identifying samples/sections has been followed regardless of whether, for example, a joint is sectioned locally or later at the lab.

Once completed, Blade will retain the original form and a scanned copy of the Evidence Data Sheet has been made. As such, there has been a unique identifier for everything that is extracted from SS-25. Examples of Evidence Data Sheet forms are shown in Figure 19 through Figure 21.



AC-RCA BLADE EVIDENCE DATA SHEET - WELLHEAD/TREE

Description:			
Wellhead/Tree Section No:	Photos Taken:	Y 🗆	N□
Sample No. (if applicable)	Video Taken:	Υ□	N□
Date & Time Collected:	Has Label:	Y 🗆	N□
COC Form Number:			-10
	Blade Re	р	
Physical Observations:			
Flaw or Anomaly Description:			
Scale Samples Collected and Location:			15
Other Notes:			

Figure 19—Wellhead/Tree Evidence Data Sheet



AC-RCA BLADE EVIDENCE DATA SHEET - TUBING

	1	
	10-	
В	LADE	

Description:			
Joint Sequence Number:			Photos Taken: Y 🗆 N 🗆
Sample No. (if applicable):			Video Taken: Y 🗆 N 🗆
Date & Time Collected:		-	Has Label: Y 🗆 N 🗆
COC Form Number:			
Inspection Location:			Blade Rep
Joint Tally Length (TL):			
Joint Classification:	Flawed	No Flaws	
Scale Samples Collected and	d Location:		
Pin/Box Connection & Pipe	Body Description	on Along With Any Fla	ws or Anomalies:
Visual Inspection Quick Refe	erence:		Tong Marks (T): □
			Slip Marks (S): 🗆
			Gripper Marks (G): □
			Corrosion (C):
			Scale (K):
			Pitting (P): 🗆
up/top	W - TO		
Other Visual Observations of	or Comments:		

Figure 20—Tubing Evidence Data Sheet



AC-RCA BLADE EVIDENCE DATA SHEET - CASING

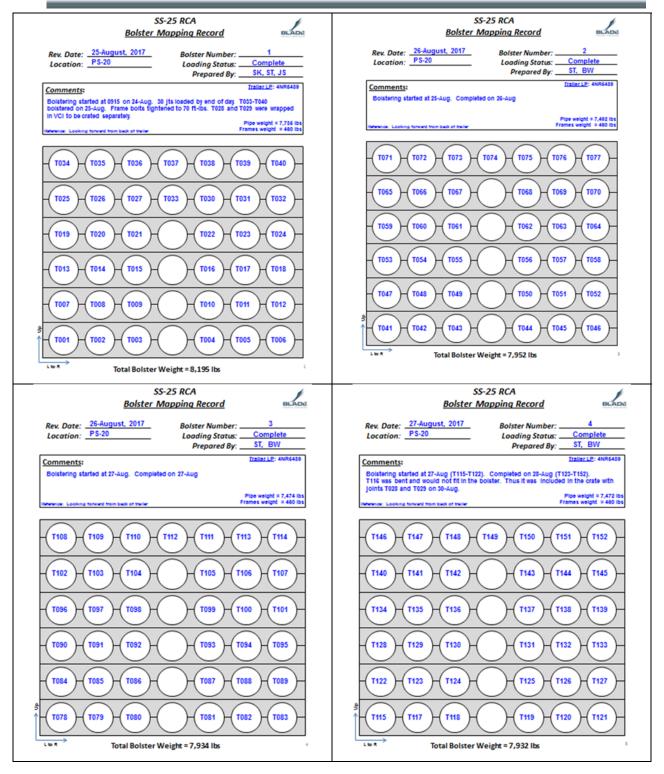


Description:							
Joint Sequence Number:	,		Pho	tos Taken:	Y 🗆	N	
Sample No. (if applicable):			Vic	leo Taken:	Y 🗆	N	
Date & Time Collected:		-		Has Label:	Y 🗆	N	
COC Form Number:	P <u></u>	22	9 <u></u>				
Inspection Location:	A	197	Blade Re	р			
Length to Connection (LTC):							
Overall Length (OAL):	2						
Joint Classification:	Flawed	No Fla	aws				
Scale Samples Collected and	Location:						
Connection OD & Pipe Body	Description Al	ong With Any Fla	ws or Anomalie	es:			
Visual Inspection Quick Refe	rence:			Tong M	arks	(T):	
				Slip M			
				Gripper Ma		55	
				Corros	ion (cale		
					ting		
				90-2003	_		
up/top							
Note: Draw Location of Connect	tion				_		
Other Visual Observations o	240-0100						

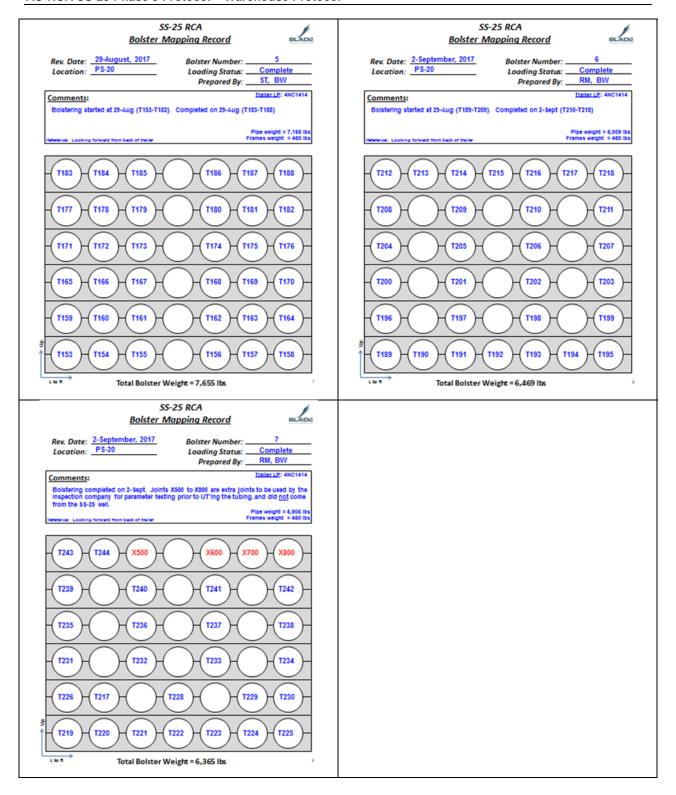
Figure 21—Casing Evidence Data Sheet



Appendix – C: Tubing Bolster Matrices



AC-RCA SS-25 Phase 3 Protocol – Warehouse Protocol





Appendix – D: Form Listing

Description	File Name	Location
2-7/8" Tubing COC Forms		
7.0" Casing Form		
Wellhead/Tree COC Form		
Wellhead/Tree Evidence Data Sheet		
Tubing Evidence Data Sheet		
Casing Evidence Data Sheet		
Tubing Bolster Matrix		