

# Daily Progress Report

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| **Installation / Location** | PS-3 |
| **Subject** | Corrosion Monitoring Activities |
| **Contract Number** | LC241047A0 |
| **Assigned Axess Representatives** | Stuart Dunthorne |
| **Date of Issue** | 16-07-2025 |

## Activities Summary

Work activities continued today, with both coupon and ER Probe locations being serviced on PS3-B Upper Deck. Further details as follows.

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| **Time** | **Activities** |
| 06:00 to 07:00 | Awaiting gas test & permit issue |
| 07:00 to 11:30 | Remove & replace coupon at 1 location and externally service ER Probe at 1 location. Attempted retrieval at 2 more coupon locations and 1 other ER Probe location but could not be completed |
| 11:30 to 12:30 | Lunch |
| 12:30 to 16:30 | Replace coupons a t 1 location and attempt retrieval at 2 other locations (probe & coupon) |
| 16:30 to 18:00 | Reporting |

**Locations Serviced Summary**

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| **Tag No** | **Line Description** | **Work Completed** |
| 53-XCC-909 | 20-OC-530266-1144  20” Oil Line from MP Separator to V5367 Surge Vessel | Attempted to retrieve coupon but plug started to seize at around 10 turns. Believe the coupon holder may be bent so unable to pass through the Access Fitting. Requires shutdown to rectify |
| 53-XCP-970 | 20-OC-530266-1144  20” Oil Line from MP Separator to V5367 Surge Vessel | The same issue as the coupon location, the ER Probe seems to be bent so cannot pass through the Access Fitting. Requires shutdown to rectify. |
| 53-XCC-973 | 14-P-43001-1101  14” Gas Line from V5367 Surge Vessel Via LP Gas Header | Flush Disc Coupon removed & replaced. All pressure retaining seals replaced. |
| 53-XCP-974 | 14-P-43001-1101  14” Gas Line from V5367 Surge Vessel Via LP Gas Header | Cap removed, fitting threads brushed and re-greased |
| 53-XCC-1408 | 18-WD-535072-1844  18” Water Outlet from V-5353 to Disposal Pump | Attempted to retrieve coupons but the plug became very tight immediately and started to seize. The plug was therefore re-installed. There have been reported issues with this location in the past. Requires shutdown to rectify |
| 53-XCC-1428 | 18-OC-530235-15151  18” Crude Inlet to V-5356 | Attempted to retrieve coupon but plug started to seize at around 10 turns. Believe the coupon holder may be bent so unable to pass through the Access Fitting. Requires shutdown to rectify |
| 53-XCP-1427 | 18-OC-530235-15151  18” Crude Inlet to V-5356 | Attempted to retrieve ER Probe but plug started to seize at around 10 turns. Believe the probe may be bent so unable to pass through the Access Fitting. Requires shutdown to rectify |
| 53-XCC-971 | 12-P-532221-1144  12” Gas Line from V-5366 MP Separator to E-4302 | 3” Strip Coupons Removed & Replaced. All pressure retaining seals replaced |

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| Tag No | Line No / Description | Pressure  (psi) | A/F Orientation | Scope of Work | Retrieved Coupons ID /  Holder Length | Coupon Appearance | Installed Coupons ID / Weight / Material / Date | Tool Used | Location Access | Remedial Actions |
| 53-XCC-909 | 20-OC-530266-1144  20” Oil Line from MP Separator to V5367 Surge Vessel | 150psi | 12 o Clock | Install new coupons | N/A – Coupon Holder Bent and cannot be retrieved | N/A | 16-07-2025 | 25” | Access OK  Small Platform Required | Replace Coupon during shutdown |
| Access Fitting Photograph | | | | Retrieved Coupons / Device Photograph | | | Installed Coupons / Device Photograph | | | |
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| **Comments** | | | | | | | | | | |
| Attempted to retrieve coupon but plug started to seize at around 10 turns. Believe the coupon holder may be bent so unable to pass through the Access Fitting. Requires shutdown to rectify. Possible radiography of the Access Fittings may help to confirm if the coupon holder is bent. | | | | | | | | | | |

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| Tag No | Line No / Description | Pressure  (psi) | A/F Orientation | Scope of Work | New Probe Size / Specification | Probe Readings | Date | Tool Used | Location Access | Remedial Actions |
| 53-XCP-970 | 20-OC-530266-1144  20” Oil Line from MP Separator to V5367 Surge Vessel | 150psi | 12 o Clock | Install New ER Probe | N/A – Probe appears to be bent and cannot be retrieved | Taken Previously | 16-07-2025 | 25” | Access OK  Small Platform Required | Replace Probe during shutdown |
| Access Fitting Picture | | | | Removed Device | | | New Probe | | | |
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| **Comments** | | | | | | | | | | |
| The same issue as the coupon location, the ER Probe seems to be bent so cannot pass through the Access Fitting. Requires shutdown to rectify. Possible radiography of the Access Fittings may help to confirm if the ER Probe is bent | | | | | | | | | | |

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| Tag No | Line No / Description | Pressure  (psi) | A/F Orientation | Scope of Work | Retrieved Coupons ID /  Holder Length | Coupon Appearance | Installed Coupons ID / Weight / Material / Date | Tool Used | Location Access | Remedial Actions |
| 53-XCC-973 | 14-P-43001-1101  14” Gas Line from V5367 Surge Vessel Via LP Gas Header | 50psi | 12 o Clock | Replace Flush Disc Coupon | ZK886  15.50” Holder | Dark in Colour with some deposits on surface | BA872- 17-5569  C1018  16-07-2025 | 25” | Access OK  Fitting Under Hatch | None Required |
| Access Fitting Photograph | | | | Retrieved Coupons / Device Photograph | | | Installed Coupons / Device Photograph | | | |
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| **Comments** | | | | | | | | | | |
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| Tag No | Line No / Description | Pressure  (psi) | A/F Orientation | Scope of Work | Work Performed | Probe Readings | Date | Tool Used | Location Access | Remedial Actions |
| 53-XCP-974 | 14-P-43001-1101  14” Gas Line from V5367 Surge Vessel Via LP Gas Header | N/A | 12 o Clock | External Service of Access Fitting | Cap removed, threads brushed and re-greased | Obtained Previously | 16-07-2025 | N/A | Access OK  Fitting Under Hatch | None Required |
| Access Fitting Picture | | | |  | | |  | | | |
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| **Comments** | | | | | | | | | | |
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| Tag No | Line No / Description | Pressure  (psi) | A/F Orientation | Scope of Work | Retrieved Coupons ID /  Holder Length | Coupon Appearance | Installed Coupons ID / Weight / Material / Date | Tool Used | Location Access | Remedial Actions |
| 53-XCC-1408 | 18-WD-535072-1844  18” Water Outlet from V-5353 to Disposal Pump | 100psi | 12 o Clock | Replace 3” Scale Coupons | N/A – Plug Seizing | N/A | 16-07-2025 | 25” | Access OK  Small Platform Required | Remove during shutdown and repair thread |
| Access Fitting Photograph | | | | Retrieved Coupons / Device Photograph | | | Installed Coupons / Device Photograph | | | |
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| **Comments** | | | | | | | | | | |
| Attempted to retrieve coupons but the plug became very tight immediately and started to seize so was therefore re-installed. There have been reported issues with this location in the past. Requires shutdown to rectify and repair threads correctly. Stainless Steel Access Fittings are very prone to threads galling. | | | | | | | | | | |

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| Tag No | Line No / Description | Pressure  (psi) | A/F Orientation | Scope of Work | Retrieved Coupons ID /  Holder Length | Coupon Appearance | Installed Coupons ID / Weight / Material / Date | Tool Used | Location Access | Remedial Actions |
| 53-XCC-1428 | 18-OC-530235-15151  18” Crude Inlet to V-5356 | 100psi | 12 o Clock | Replace 3” Strip Coupons | N/A – Coupon Holder Bent and cannot be retrieved | N/A | 16-07-2025 | 25” | Access OK  for tool but large scaffold required | Remove during shutdown |
| Access Fitting Photograph | | | | Access Fitting Photograph | | | Installed Coupons / Device Photograph | | | |
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| **Comments** | | | | | | | | | | |
| Attempted to retrieve coupon but plug started to seize at around 10 turns. Believe the coupon holder may be bent so unable to pass through the Access Fitting. Requires shutdown to rectify. Possible radiography of the Access Fittings may help to confirm if the coupon holder is bent | | | | | | | | | | |

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| Tag No | Line No / Description | Pressure  (psi) | A/F Orientation | Scope of Work | New Probe Size / Specification | Probe Readings | Date | Tool Used | Location Access | Remedial Actions |
| 53-XCP-1427 | 18-OC-530235-15151  18” Crude Inlet to V-5356 | 100psi | 12 o Clock | Install New ER Probe | N/A – Probe appears to be bent and cannot be retrieved | Taken Previously | 16-07-2025 | 25” | Access OK  for tool but large scaffold required | Replace Probe during shutdown |
| Access Fitting Picture | | | | Removed Device | | | New Probe | | | |
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| **Comments** | | | | | | | | | | |
| The same issue as the coupon location, the ER Probe seems to be bent so cannot pass through the Access Fitting. Requires shutdown to rectify. Possible radiography of the Access Fittings may help to confirm if the ER Probe is bent | | | | | | | | | | |

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| Tag No | Line No / Description | Pressure  (psi) | A/F Orientation | Scope of Work | Retrieved Coupons ID /  Holder Length | Coupon Appearance | Installed Coupons ID / Weight / Material / Date | Tool Used | Location Access | Remedial Actions |
| 53-XCC-971 | 12-P-532221-1144  12” Gas Line from V-5366 MP Separator to E-4302 | 100psi | 9 o Clock | Replace 3” Strip Coupons | MQ049 & MQ050  8.75” Holder | Dark in colour  Some soft sludge | NF800 – 37.0360  NF803 – 37.0639  C1018  16-07-2025 | 25” | Access OK | None Required |
| Access Fitting Photograph | | | | Retrieved Coupons / Device Photograph | | | Installed Coupons / Device Photograph | | | |
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| **Comments** | | | | | | | | | | |
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## Observations & Recommendations

## Numerous problems were encountered today, all of which were of a similar nature (possible bent devices). This can be caused by turbulent flow or foreign objects passing through the lines. If possible, radiography could confirm whether these coupons & probes have bent.

**24 Hour Lookahead**

The plan for Thursday 17th July is to complete the remaining work on PS3-B

**Stuart Dunthorne** – Axess-Corrosion. – [sdunthorne@axess.energy](mailto:sdunthorne@axess.energy)