

Pull LMRP



- What if LMRP already released? Confirm it's locked when cutting riser – Put in Riser Cutting/Sling attachment scope of work.
- Develop unlatch plan (lessons from ROV operations during initial response)
 - Capabilities and functionality of Q4000 run yellow pod to activate connector? Line distance/SIMOPS – As per Deploy LMRP Pulling Assembly
 - Explote opportunity to access blue pod? – Rejected. Too long with lots of failure issues.
 - Consider lifting LMRP with Q4000? Deploy LMRP Pulling Assembly
 - Risk of activating wrong functions from pod – Not possible according to Cameron. Pod only stabs in one way. Need team to evaluate Top Kill team. Back-up is hot stab and subsea accumulator to release.
 - Accumulator back-up – Need contact to organize.
 - Lessons from unlatch incidents – Cameron and TOI working.
 - Checking hydraulics – need 14 gpm? To shift shuttle valve to unlock LMRP. Use hot line from rig or subsea accumulator.
- Assess operation of ROV around plume with diamond saw – Done. ROV and saw are working under the plume and the only part of the diamond saw to contact the plume is the wire.
- Drill pipe falling could cause a problem, seal face damage – consider leaving AX ring to protect seal face – LMRP on Horizon has a AX gasket loaded with hydraulic gasket hold/release function. The gasket will come out with the LMRP unless the yellow pod can operate the gasket release function or the ROV hot stab can be used to release this. The team evaluated this and feel drill pipe impacting the AX ring gasket seal area is slim to none. The team would prefer to remove the AX with the LMRP and have a double resilient seal AX gasket in the DDII HC connector. In the unlikely event the AX seal area on the Horizon HC male pin is dinged, the double resilient seal gasket will still seal. Have seal tite product as back up.
- Evaluate LMRP stability with pod which will upset value? Yellow pod will not be retrieved after install. If unsuccessful attempt to stab yellow pod. Will evaluate.
- ROV ring removal in plume – visibility, lifting forces when lifted, ROV Tooling requirements, joining model or trial ring placement and ring placement tool (horseshoe)? Ocean terrain to vary

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