



Date: 12-21-08

Daily Report Sheet			
Project Title: Deepwater Horizon		Client : Transocean	Location: GOM
Project No:		Prepared By: John Hall	Contact No: 713 205-2665
Worksite Contacts: (Name, Company, Tel & Fax)		Cameron Field Representatives: John Hall	
Owen McWorther			
Mark Hay			
Summary of Service Performed and equipment worked on: (Including Description, Serial No and Part No.)		Work Codes: Electrical – E Software – SW Hydraulic / Mech. – M Other / Admin – O	Type Hrs
12-21-08 Left for New Orland's to be at heliport the next morning at 4:30am.			12
12-22-08 Arrived at heliport in Houma LA. And went to rig, went through rig orientation and on standby till subsea is ready for me. Owen McWorther wanted me to do a function test on the spare pod to get it ready to swap it out on the stack. Found the PETU not working properly had to replace the 5V power supply (P/N 619095-02-10) and the modem (P/N 619095-13-12 HLF) we had a problem talking to the SEM it would not respond called Jason to help me find the problem with it and I need to solder a jumper on the back of the modem.			12
12-23-08 The PETU working I started going through the functions on the spare POD and found a coil fault with (coil # 50 connection 6C LMRP stinger extend) replaced coil (P/N 222843-01 Rev E01 S/N 4501358590) and found the mud boost (coil # 35 open connection 5A and # 36 closed connection 5B) and choke & kill connector secondary (coil # 33 connection 4F) ¼ valves not getting fluid made some checks and found all the coils from # 31 to 42 were in the wrong location on the mux, took all the coils off and remounted them in there right location on the manifold. Retested the mud boost and choke & kill ¼ valves tested good. Used (SK-122178-21& SK-122108-21-05) drawings to trace problem with valves.			12
12-24-08 We found that the stack stinger retract was not functioning at all we had good signal pressure at bleed ports (line # 107 extend & line # 108 retract) ¼ valve but no supply pressure I found that the supply function hose (Line # 104) between the mux & mod section was missing and capped off installed a hose (P/N SS-4BHT-24) and got the stack stinger retract working we also replaced the ¼ shuttle (P/N 2711016-01 Rev 0) for the energize & de-energize and the ¼ shuttle for the extend & retract as well as the ¼ valve (P/N 309470-02-A3) do to rust build up in the valve ports, flushed lines and ports. While testing we found the stack stinger energize & de-energize supply line to the de-energize side of the cylinder was leaking we lifted the pod and removed the wedge from the stinger and tighten the SAE fitting, we reinstalled the wedge and lowered the pod finished testing POD and is in good shape ready to be installed on LMRP.			12
12-25-08 Worked on getting the LMRP off the stack and went through the function on the yellow POD to look for coil faults and found 10 coils that need to be replace and we found a leak on the blue POD filter housing.			12
12-26-08 Worked on changing out 10 coils (P/N222843-01 Rev E01) on the yellow POD (function # 12 upper annular open)(# 56 pod locks lock)(# 68 lower pipe rams close)(#85 upper inner kill open)(# 86 upper inner kill open)(# 87 lower outer kill open)(# 89 lower inner kill open)(# 90 lower inner kill close)(# 95 lower outer choke open)(# 108 stack stinger retract) I made the suggestion that they need to replace the pie connectors on the yellow SEM do to all the coil faults they are having. I helped them Work on getting the elements and cap seals changed out in the upper and lower annular. The auto shear trigger valve rod is bent so we removed the valve assembly (P/N 2185549-01A2 S/N 12799) and I rebuilt the valve with kit (P/N 251413-99) for a ¼ inch 3 way valve. The valve needs to be replace do to minor erosion in some internal seal areas will get quote for new vaive.			12

<p>12-27-08 We worked on getting the LMRP ready to run through functions we had to fix some minor leaks on blue POD filter missing O ring and had to tighten some of the bleeders on the pod valves. We than brought the system up on line and found that the blue B SEM not available so we started trouble shooting and found out that this happenec before when they shut power off to the system it lost the program to blue B so I called Jason to see if he could tell me something about it and he said it happened to him and they had to reinstall tne program so i called Billy Duncan on the Cajun to have him help me through the download procedure for the CCU we had to install two new EPROMS on the CPU and flash them do to old EPROMS not wanting to take a download so we reinstall the CPU and started the system back up and found that nothing changed still no blue B SEM so I asked Billy if it would hurt anything to swap modems from yellow to blue because I noticed that the modem was not working properly so I changed them around and fixed the problem so I got a new modem (P/N 619095-13-12-01) to replace it. They megged the mux cables blue and yellow and found a problem with wires # 7 and # 3 not ohm out right and the two wires are tied together and they are 240v power wires. They thank the mux cable has moisture in it so they dried the connection out and remeged it and it was ok.</p>		12
<p>12-28-08 We started to do functions on the blue B pod and found that none of the regulators could be adjusted we started trouble shooting and found that we were losing comms to blue B SEM we than hooked up the PETU direct to the SEM on the POD and found that everything works normally. They remeged the blue mux cable and found that it had very low ohm on the signal wires they are going to go ahead and run it for now. I then re loaded the program into the blue B processer and ran checkme on it to get a session log so that i could compare it with blue A program and could not find any files missing I then swap modems around in the PLC rack to see if the modem was bad again there was no change but we found that when you put the 5v power on the blue B modem the blue B modem would stop communicating but yellow B was ok I then checked for 5v power to the back plan and I had power I check to see if there was wires shorted on the back plan all looked good I put the rack back together and everything started working but very slow and than blue B stop working again so I called Jason and Richard to see what else I could look for and do to fix the problem. After talking to Jason and Richard I hooked up the laptop to the blue B modem to try and do some functions still could not operate function.</p>		24
<p>12-29-08 This morning we were working on the problem with cabinet and the electrician grab the jumper under cabinet and everything started working for a moment so we looked in the jumper and found some of the pin were loose so we pushed it in place and we are up and running I am going to get a quote for some new jumper for both cabinets. We started back on functioning the pod and found that the blue pod would not let us increase or decrease any of the regulators so we check the program to see if there was something missing but found nothing I then went and looked at the STM to see if the hydraulic lines were connected right and found nothing wrong I then looked at the PBOF cable connections on the STM and the SEM and found nothing wrong. at that time OIM decided that they need to put the old POD back on the stack and go with it for now because the SEM that came from Cameron has a possible problem with a modem so they changed the POD and everything started working normal again so we went back to functioning.</p>		12
<p>12-30-08 We started pressure testing the stack and on the last test we had a leak on the choke coflex line at the flange so they tried to tighten it up pressured back up and there was still a leak so they looked around and found it had washed at the flange so they took it off and they have another on the way out. We then pulled the blue POD and put it in the test stand so I could take the STM apart and replace a transducer (P/N 619016-01-25) got it back together and ready to test the POD before we put it back on the stack. After going through the functions we found that the transducer was not the problem. ET and I opened the STM again and started checking to see if we had 24v power supply in the STM we had power and checked to see if we had 4 to 20 mA to the SEM we also megger the PBOF cable from STM to the SEM and found it was not to good so we replaced it with the one off the new POD we also put a gauge on TP2 connection so we could see if we were getting pressure to the transducer and it was working good so we told them that their problem is further, could be in the SEM they said not to worry about it now to put it all back together and seal test and purge test the STM get it ready to go in the water and next time they come back up they are sending the POD to Cameron to be refurbished. I also had a coil fault on (# 19 choke & kill connector primary latch) I replaced it with a coil from the pod that came back from Cameron (P/N 2185549 01A2).</p>		28

12-31-08 I rigged up to purge the STM per procedure (X-200934-01) and test the STM body seals per procedure (X-200934-02) all testing good. They are putting the POD back on the stack and then we will do a function test on blue POD after we complete that they are going to well center and start running the stack.		12
1-1-09 They function tested the stack after putting the blue POD back on and Owen said that it was all working great and that they were ready to drop it in the water. I was told that I would be on the next chopper out so I had the OIM sign my FSO and I travel home.		12

Total Daily Hours: 12	HYD/MECH: 11	OTHER: 1	SW:	ELEC:
-----------------------	--------------	----------	-----	-------

ISSUES AND ACTIONS	DATE SUBMITTED	STATUS	DATE CLOSED

Project Summary Status.

Field Performance Report Register (FPR)			

Technical Query Register (TQ)							
TQ No	Date Raised	Raised By	Submitted To	Date Response Received	Result Closed / open	Date closed out	Closed out authority

Software Corrective Action Report Register (SCAR)							
SCAR No	Date Raised	Raised By	Submitted To	Date Response Received	Result Closed / open	Date closed out	Closed out authority

Material Request Register (MR)						
Material Request No	Date Raised	Raised By	Submitted To	Airway bill no.	Parts Shipped	Partial Delivery Rec'd

Engineering Change Notification Register (ECN)			
ECN No	ECN Description	Work Completed by.	Date closed out

Job List. (Details of Workscope to be carried out.)			
Item	Description.	Action By	Date Completed