
 CAMERON CONTROLS		Date 5/MAY/2010	
Daily Report Sheet			
Project Title: SUBSEA POD INTERVENTION		Client : TRANSOCEAN	Location: GOM MC399
RIG NAME: Horizon / BP		Prepared By: Carter Erwin	Contact No: [REDACTED]
Worksite Contacts: (Name, Company, Tel & Fax)		Cameron Field Representatives: Carter Erwin, William LeNormand, Larry Silvia, Efrain Martinez, Eloy Martinez, Ryan Rahimzadehbates	
Ray Picard, Transocean			
Summary of Service Performed and equipment Worked on: (Including Description, Serial No and Part No.)		Work Codes: Electrical – E Hydraulic / Mech. – M	Software – SW Other / Admin – O
		Type	Hrs
3/MAY/2010 Travel			
4/MAY/2010 Team meeting held in Berwick to review Deck test procedure. Deck Test procedure was then sent to Houston (Jason Vanlue) for review and input from Engineering and BP.			
5/May/2010 <ul style="list-style-type: none"> Departed Morgan City at 4:20 am for BP Heiloport. Arrived at BP Heiloport at 5:15 am for check in for the BOA Sub C. Departed BP Heiloport @ 3:00 pm for the Q4000 due to available space on the BOA sub C. Arrived Q4000 approx 4:15 pm and attended safety briefing and orientation until 7:00 pm. Located Cameron shipped equipment on deck and moved it to the designated work location. Cameron equipment (4 ea 100 ft hotline reels, Nitrogen boost pump, Job Box) (Transocean equipment – Hotline hose reel; NOTE the hotline is reeled onto a MUX reel therefore it does not have a hydraulic slip rig so we will have to determine how we will run the POD hot, MUX cable on reel, HPU) Meeting held with BP to discuss following days plans 9:00 – 10:00 10:00 PM end of work day. 		O	18
6/May/2010 <ul style="list-style-type: none"> 8:00 located Horizon POD on deck and performed a visual with Ray Picard 9:00 Discussions with Houston regarding the deck test procedure along with the level of detail required during the removal and repair of components from the POD. 10:00 Remainder of Crew arrived. Received approval from Houston on Deck Test Procedure. 13:51 Meeting with all personnel regarding POD work (Discussions were) <ol style="list-style-type: none"> Document events and Photos Ensure inventory of parts is taken of parts added and removed Custodial issues Rig Manager Tim Williams w/Transocean –Single point of contact for owner of equipment 14:38 Began JSA for work on the POD 15:13 Tape off cut lines for safety to prevent cuts from sharp edges due to ROV demolition. <u>NOTE any number in parentheses () at this point forward in this document are in ref to the item number given to the components removed and secured from the POD. All components were immediately photo graphed by Chrystal Bodenhamer w/BP and Tim Williams with Transocean and placed in a Gator Box located adjacent to the POD on the forward deck.</u> <ol style="list-style-type: none"> (1) S1 supply line (2) function # 24 (this function is labeled blank on SK-122108-21-05) (3) function # 49 (this is POD select on SK-122108-21-05) (4) function was not labeled. Hyd line will have to be traced to determine what this line 			

CAMERON
CONTROLS

Date 5/MAY/2010

was used for

- 15:18 Removal of (2) unknown pilot line by William LeNormand
- 15:20 Removal of (3) Function # 49 pilot line by William LeNormand
- 15:21 Removal of (4) unknown pilot line by William LeNormand
- 15:26 Removal of (1) S1. The code 62 flange was unbolted and the demolished portion of the supply line was removed by Carter Erwin
- 15:37 Removal of Flow meter assembly from POD and moved to workbench. This was done to allow the installation of the new pre bent pipe work to be assembled to the supply side of the flowmeter. In order to complete this step a section of pipe work that was not demolished had to be removed {(5) this section was on the supply side and was code 62 by CVP union that screws in to the flowmeter}
- 15:43 Dry fit up of Hydraulic supply adapter. (5) code 62 by CVP union was moved to lockbox
- 15:52 Building of scaffolding to allow removal of PBOF cables in the MUX section
- 15:57 Removal of Roughneck connector (6) by Carter Erwin. At the same time adjustments were made to the new supply adaptor at the workbench by Efrain Martinez and Larry Silva
- 15:58 (6) Roughneck connector was moved to lockbox
- 16:02 Qty. 2 O-rings were found to be in the connector for the face seal
- 16:16 Install 1" Hydraulic supply adapter - NOTE: it was noted at this time that the radial seal in the flowmeter was missing. Ray Picard
- 16:26 Drill hole to mount a 1" ball valve for ROV operations while subsea.
- 16:28 Install radial o-ring for flowmeter (7) and face seal for flowmeter. Installed made up Electrical connector for Flowmeter (Ray Picard)
- 16:50 Found 2 Stinger seal blown - unknown functions at this time (8) stinger seal, pn 111687-01 moved to lock box. At this time Carter Erwin entered the Mod section in order to obtain the function number that is stenciled on top of the riser stinger assy. Was able to determine that the function was directly behind # 41 a 1/2" port. Machine detail x-200030-01 was pulled to determine the function number behind #41. This was done due to the marine growth on the top of the stinger which covered up the stenciling. Due to the close proximity of the tubing buffing was not an option. Upon reviewing the drawing it was determined that the function was #46 (Conduit Flush) per SK-122108-21-05
- 16:57 (9) stinger seal removed and moved to lockbox
- 17:01 Installed 2 new stinger seals
- 17:21 Pressure balanced oil field cables removal. 2 new ones will be installed.
- 17:30 Suspend work while scaffolding was being completed. Eat supper
- 18:30 Began set up of PETU [Portable Electronic Test Unit]
- 18:46 Identified the two each stinger seal functions that were removed at 16:50
- 18:54 Installed pilot line on #4
- 18:56 Removed PBOF for STM II/B item (10)
- 18:57 Removed PBOF for STM1 item (11)
- 19:10 Number functions for valves to make it easier to identify. 111735-01 seal stinger puller
- 19:20 Removed PBOF cable from SEM (12)[subsea electronic module] to RCB [riser control box]
- 19:22 Installed pressure cap on SEM where the PBOF cable connects to the SEM. Remove o-ring from PBOF cable (13)
- 19:27 Removed o-ring (14) from STM I housing pn:619088-33-20-21 Ray Picard
- 19:28 Removed o-ring (15) from STM II housing pn 619088-20-21 Ray Picard
- 19:31 Installed pilot 1/4" line to ROV valve (pilot supply to solenoid) STM II left side and STM I right side.
- 19:47 Connect new PBOF cable on STM I PN 2185879-22-05 by Ray Picard
- 19:53 Connect new PBOF cable on STM II PN 2185879-22-05 by Carter Erwin
- 19:55 Connect PBOF cable from STM I to SEM by Ray Picard
- 19:57 Connect PBOF cable from SM II to SEM by Carter Erwin

 CAMERON CONTROLS		Date 5/MAY/2010
	<ul style="list-style-type: none"> 20:15 Pre Job Safety Meeting with Cameron , TOI, BP to complete JSA for PETU testing 20:35 Power up PETU connected to SEM <ol style="list-style-type: none"> 1. Verified .ini file was RBS8D 2. Read back on the Yellow POD shows the SEM is BLUE A and BLUE B. It should be noted that the Distribution cabinets on surface designate which POD is Blue and which POD is Yellow. 20:43 Deadman system was armed via the PETU <ol style="list-style-type: none"> 1. Readbacks from the STMs were good, no faults were noted 21:00 Verify battery voltage in SEM (Rahim) <ol style="list-style-type: none"> 1. 8.85 VDC on the 9VDC batteries was recorded 2. 18.41 VDC on the 27VDC was recorded 21:28 Lockbox secured 21:40 simulated Deadman test on solenoid. Electromagnetic pin was used but held next to the solenoid valve for the casing shears. This was the incorrect sol valve as during the Deadman the High pressure blind shear, solenoid valve #103 is the solenoid valve that energizes 21:46 Simulated Deadman test with the correct Solenoid valve #103. Electromagnetic pin was held against Solenoid Valve #103 and the Deadman was fired. No indications of the valve firing. This valve was rebuilt in Feb 2010 by unknown person. It appears this was done on the rig as the date was written in paint pin. 21:48 Suspend operations for the night. 	
7/May/2010	<ul style="list-style-type: none"> Discussed Status of Fluid test unit coming from Berwick with Pedro Sotolongo. Was informed that the unit left Berwick at 2:25 with Joel (Cameron Service tech) Jumper Hose for HPU/ Hotline interconnect as been connected to the HPU. Waiting on Fluid test kit to proceed with the Hookup to the Reel. Ray Picard ordered an additional 5 Totes from Geoff Boughton at around 9:00. HPU PLC seems to have lost its program. Helix Subsea is working with the manufacture of the HPU to re-program the PLC so the unit can be controlled on the 5K side of the system. The unit is currently set up to run in manual only on the 5K side 9:40 Cut and terminated 1" hose for S1 to Ball valve mounted on the Mux section for Solenoid supply. Waiting on pressure test from rig. 10:00 Rahim began terminating MUX cable to J-box on the reel 9:00 Discussion on layout of equipment for running the POD subsea. Oceaneering is providing a LARS (Landing and Recovery System) to run the Hotline and Mux cable on. 11:00 break for lunch 11:30 Discussions held with Service department regarding which functions to use to operate the mini-connectors that will latch onto the Choke and Kill lines. The plan will be to use gasket release for the LMRP and Wellhead connectors along with the solenoid valve for POD select and one of the unknown Solenoid valves that was going to the CVP (conduit valve package). Qty 4 Hoses will be connected directly to POD via JIC fitting. <p>NOON</p> <ul style="list-style-type: none"> 12:37 Began JSA for seal testing of PBOF cables. <ol style="list-style-type: none"> 1. Downloaded Seal test procedure to perform test (x-200136-05) 13:30 Jumper hose from Ball valve to Supply completed test and installed. 14:30 Fluid kit arrived on Deck. Fluid testing underway Note: The HPU skid does not have a circulation pump to circulate the fluid in the Tank 1. First fluid sample from HPU skid was NAS Class 12. (this was taken from the discharge hose from the accumulators 2. 15:30 Second fluid sample taken from Tank. Testing in progress 15:30 Discussion with Ray Picard, Randy Skidmore regarding by passing the tank on the 	

Date 5/MAY/2010

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Project Summary Status.

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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 Work scope to be carried out.)

Item	Description.	Action By	Date Completed
1	Locate Job BOX	CE/WL	5/5/10
2	Locate Nitrogen Boost Pump	CE/WL	5/5/10
3	Locate Hot line (qty 4, 100')	CE/WL	5/5/10

Daily Report - Horizon - POD INTERVENTION May 7th

4	Locate PBOF cables (qty 2)	CEAVE	5/6/10
5	Verify qty and type of Fluid sent in by Transocean (notify Geoff and Jason)	RP	5/6/10
6	Send Test STM I and STM II PBOF cables	EM	5/7/10
7	Send Test Roughneck connector prior to running POD subsea		

7 of 8

