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Deepwater Horizon - WCS BOPP (BOP Control Pods)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																</
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SC	Tag	Tag Desc	Priority	Craft	SCHEDID	Job No	Job Status	Job Type	Schedule Type	Event	JOBDESC	Sched Date	Start Date	Complete Date	Job Instructions	Safety	Tools	Work Log No	Work Log Date Entered By	Work Log Detail	Job Remarks
Deepwater Horizon - WCS BOPP (BOP Control Pods)																					
Deepwater Horizon-TO BE REMOVED	WCS BOPP 003	BOP White Mux Control Pod	High	Well Control	21550038058022	1550038033679	Closed	PM	Calendar		Replace Sem O'Rings - Store Keeps	5/1/2004	4/29/2004	6/10/2004	Replace Sem O'Rings Need O-Rings For Modification To Sems For Upgrade.	Not Specified	Not Specified	0			EMPAC WORK ORDER NO : 8704-002318-000 POD SEM O'RINGS 04/29/2004 12:00:02 3 EA O'RING STOCK NO. 4093 - 158 3 EA O'RING 0 - 426238 NEEDED ASAP FOR NEW POD- RCB MODIFICATIONS. CAN BE HAND CARRIED BY CAMERON SERVICE HANDS WHEN THEY COME TO INSTALL SOFTWARE FOR UPGRADE. AVAILABILITY OF ITEMS CAN BE CHECKED THRU BRAD CODY AT CAMERON. CAN BE TWO DAY FED-EX TO RIG ALSO POSSIBLE. THEY ARE NEEDED NOW! EMPAC WORK ORDER NO : 8704-002318-000 RECEIVED 05/30/2004 07:29:23 RECEIVED FROM ENTERPRISE
Deepwater Horizon-TO BE REMOVED	WCS BOPP 001	BOP Blue MUX Control Pod	High	Electronics	21550038057626	1550038034061	Closed	PM	Calendar		Replace Batteries In Sems	5/15/2004	5/10/2004	5/30/2004	Replace Batteries In Sem Yearly Pm	Not Specified	Not Specified	0			EMPAC WORK ORDER NO : 8704-002553-000 BATTERY REPLACEMENT 05/30/2004 07:21:41 BATTERIES REPLACED AT CAMERON DURING SHOP WORK IN 2003. NO NEED TO REPLACE AT THIS TIME. POD HAS NOT BEEN IN USE ON SURFACE.
Deepwater Horizon-TO BE REMOVED	WCS BOPP 003	BOP White Mix Control Pod	High	Well Control	21550038057942	1550038034925	Closed	Upgrade Maintenance	Calendar		Install Driflces In Pod Regulators	5/28/2004	5/28/2004	5/30/2004	Install Orifices In Pod Regulators Regulators Are Oscillating	Not Specified	Not Specified	0			EMPAC WORK ORDER NO : 8704-002864-000 WHITE POD REGULATOR ORIFICES 05/28/2004 07:58:59 INSTALLED 5 EA. THIS DATE
											SI - Add A Second Pod Select Solenoid To				The Price Cameron Has Come Back With To Revise The Software Is High. 75hrs Is Way Too Many To Do This Job. I Will Be Getting Back With Them This Morning To Have Them Justify, Or Reduce, But This Will Get The Po Process Kicked Off. Regards Steve This Email And Any Files Transmitted With It From Transocean Offshore Deepwater Drilling, Inc. Are Confidential And Intended Solely For The Use Of The Individual Or Entity To Whom They Are Addressed. If You Have Received This Email In Error Please Notify The Sender. -----Original Message----- From: Brown, Steve [mailto:Browns@CameronDiv.Com] Sent: Thursday, June 17, 2004 4:44 PM To: 'Donohue, Steve' Cc: Hensley, John; Gaude, Edward C.; Leong, Hian; Jahn, Ray Subject: Re: Transocean Nautilus & Horizon Pod Select Redundancy Steve, Quotation As Requested, Please Advise If We Could Assist In Any Measure, Thanks. -----Original Message----- From: Jahn, Ray Sent: Thursday, June 17, 2004 2:23 PM To: 'Donohue, Steve' Cc: Brown, Steve; Hensley, John; Gaude, Edward C.; Leong, Hian Subject: Transocean Nautilus & Horizon Pod Select Redundancy Steve - Listed Below Are The Hours To Change The Software And Documentation To Add A Second Pod Select Solenoid Functioned By An Existing Pod Select Switch: Engineering Documentation - 20hrs Software - 75hrs This Includes Panel And Touchscreen Software Changes And Testing Of Software. If You Have Any Questions Please Give Me A Call. Thanks And Regards, Ray Jahn Ph.# 713 939 2768 Fax.# 713 939 2169 ----- To Add Double Redundancy To Each Control Pod, For Pod Select	Not Specified	Not Specified	0			EMPAC WORK ORDER NO : 8704-003355-000 ADD ANOTHER POD SELECT TO PODS 06/21/2004 11:22:15 Quote Prepared By : Steve Brown/713-939-2650 ATTENTION: STEVE DONOHUE SUBJECT: QUOTATION FOR ENGINEERING SERVICES WITH REFERENCE TO SOFTWARE AND DOCUMENTATION REQUIREMENTS FOR THE ADDITION OF A SECOND POD SELECT SOLENOID FUNCTIONED NEAR AN EXISTING POD SELECT SWITCH. THIS QUOTATION TO INCLUDE PANEL AND TOUCHSCREEN CHANGES AND TESTING OF SOFTWARE **RIG-TRAOCEAN HORIZON Cc: JOHN HENSLEY Item Material Number. Extended Qty UM Unit Price Extended Price Description Weight USD 10 CONTROLS 20 EA 120.00 2,400.00 ENGINEERING DOCUMENTATON PLANNING 20 CONTROLS 75 EA 140.00 10,500.00 SOFTWARE ENGINEERING ASSESSMENT Price Summary: Total Price: 12,900.00 USD Total Quotation Value : 12,900.00 USD Steve J. Brown Sr. Applications Specialist 4646 W. Sam Houston Parkway North
											SI - Add A Second Pod Select Solenoid To				The Price Cameron Has Come Back With To Revise The Software Is High. 75hrs Is Way Too Many To Do This Job. I Will Be Getting Back With Them This Morning To Have Them Justify, Or Reduce, But This Will Get The Po Process Kicked Off. Regards Steve This Email And Any Files Transmitted With It From Transocean Offshore Deepwater Drilling, Inc. Are Confidential And Intended Solely For The Use Of The Individual Or Entity To Whom They Are Addressed. If You Have Received This Email In Error Please Notify The Sender. -----Original Message----- From: Brown, Steve [mailto:Browns@CameronDiv.Com] Sent: Thursday, June 17, 2004 4:44 PM To: 'Donohue, Steve' Cc: Hensley, John; Gaude, Edward C.; Leong, Hian; Jahn, Ray Subject: Re: Transocean Nautilus & Horizon Pod Select Redundancy Steve, Quotation As Requested, Please Advise If We Could Assist In Any Measure, Thanks. -----Original Message----- From: Jahn, Ray Sent: Thursday, June 17, 2004 2:23 PM To: 'Donohue, Steve' Cc: Brown, Steve; Hensley, John; Gaude, Edward C.; Leong, Hian Subject: Transocean Nautilus & Horizon Pod Select Redundancy Steve - Listed Below Are The Hours To Change The Software And Documentation To Add A Second Pod Select Solenoid Functioned By An Existing Pod Select Switch: Engineering Documentation - 20hrs Software - 75hrs This Includes Panel And Touchscreen Software Changes And Testing Of Software. If You Have Any Questions Please Give Me A Call. Thanks And Regards, Ray Jahn Ph.# 713 939 2768 Fax.# 713 939 2169 ----- To Add Double Redundancy To Each Control Pod, For Pod Select						EMPAC WORK ORDER NO : 8704-003355-000 ADD ANOTHER POD SELECT TO PODS 06/21/2004 11:22:15 Quote Prepared By : Steve Brown/713-939-2650 ATTENTION: STEVE DONOHUE SUBJECT: QUOTATION FOR ENGINEERING SERVICES WITH REFERENCE TO SOFTWARE AND DOCUMENTATION REQUIREMENTS FOR THE ADDITION OF A SECOND POD SELECT SOLENOID FUNCTIONED NEAR AN EXISTING POD SELECT SWITCH. THIS QUOTATION TO INCLUDE PANEL AND TOUCHSCREEN CHANGES AND TESTING OF SOFTWARE **RIG-TRAOCEAN HORIZON Cc: JOHN HENSLEY Item Material Number. Extended Qty UM Unit Price Extended Price Description Weight USD 10 CONTROLS 20 EA 120.00 2,400.00 ENGINEERING DOCUMENTATON PLANNING 20 CONTROLS 75 EA 140.00 10,500.00 SOFTWARE ENGINEERING ASSESSMENT Price Summary: Total Price: 12,900.00 USD Total Quotation Value : 12,900.00 USD Steve J. Brown Sr. Applications Specialist 4646 W. Sam Houston Parkway North
Deepwater Horizon-TO BE REMOVED	WCS BOPP 002	BOP Yellow MUX Control Pod	High	Well Control	21550038057878	1550038035691	Closed	Upgrade Maintenance	Calendar			6/21/2004	6/21/2004	11/27/2004	Redundancy To Each Control Pod, For Pod Select	Not Specified	Not Specified	0			

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Deepwater Horizon - WCS BOPP (BOP Control Pods)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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RIGDESC	Tag	Tag Desc	Priority	Craft	SCHEDID	Job No	Job Status	Job Type	Schedule Type	Event	JOBDESC	Sched Date	Start Date	Complete Date	Job Instructions	Safety	Tools	Work Log No	Work Log Date Entered By	Work Log Setall	Job Remarks
Deepwater Horizon-TO BE REMOVED	WCS BOPP 003	BOP White Mux Control Pod	High	Well Control	21550038057930	1550038053791	Closed	PM	Calendar		730 Day-Mux Pod	1/15/2007	8/28/2005	5/28/2007	Safety Considerations: 1. Carry Out Pre Job Planning And Risk Assessment As Per Company H&E Manual. 2. Ensure Work Permits, Are Obtained, If Required, And All Energy Sources Isolated Before Working On This Equipment. 3. Personnel Performing This Maintenance Should Be Competent, Be Familiar With The Equipment And Have Received Adequate Instructions To Perform The Maintenance Safely. Resources: 1. Oem Installation, Operation And Maintenance Manual. 2. Review All Relevant Product Alerts And Engineering Bulletins. 3. Have All Necessary Tools Identified, Available And In Good Working Order. 4. Have All Necessary Lifting Eyes, Shackles And Slings Identified, Available, In Good Working Order And Certified. 5. As A Minimum, Have Sufficient Packer Seals, Filter Elements, Spare Solenoid/Shear Seal Valves, Rubber Goods. 6. Valve, Regulator, And Shuttle Valve Repair Kits And Seal Kits. Task Items: In Addition To The Between Well Task Perform The Following: 1. Replace 1" Jumper Hose Between Bop / Lmrp Pod Sections. 2. Inspect Pilot Jumper Hoses Inside Pod. Replace If Worn / Damaged. 3. Pressure Test Pod To Full Working Pressure. 4. Inspect General Condition Of Pod Frame, Anodes Etc. Note: Pressure Test Includes Pilot Lines, Hoses, Tubing And Pipe. Task Items: (Recording Of Relevant Information) Note: It Is	Not Specified	Not Specified	0			EMPAC WORK ORDER NO : 8705-005490-000 COMPLETE 05/28/2007 16:26:52 MADE ALL CHECKS...
Deepwater Horizon-TO BE REMOVED	WCS BOPP 003	BOP White Mux Control Pod	High	Well Control	21550038057912	1550038071393	Closed	Corrective Maintenance	Calendar		Replace Bad Pbof Flange Plug On Sem	1/18/2007	1/18/2007	5/26/2007	Replace Bad Pbof Flange Plug On Sem. Pins In Flange Plug Are Damaged.	Not Specified	Not Specified	0			EMPAC WORK ORDER NO : 8707-000348-000 REPLACE FLANGE 01/18/2007 17:48:18 BILL STRINGFELLOW
Deepwater Horizon-TO BE REMOVED	WCS BOPP 002	BOP Yellow MUX Control Pod	High	Well Control	21550038057897	1550038071399	Closed	Corrective Maintenance	Calendar		Replace Rubber Grommets In Pod Female R	1/31/2007	1/19/2007	8/18/2007	Replace Rubber Grommets In Pod Female Receptacles. Robber In Some Area Are Split And Cracked.	Not Specified	Not Specified	0			EMPAC WORK ORDER NO : 8707-000353-000 RUBBER 01/19/2007 14:18:27 BILL STRINGFELLOW REPLACE RUBBER GROMMENTS IN POD FEMALE RECEPTACLES. NEED TO IMPORT NUMBER DESC. P/N ICN QTY. CAMERON, SPRING COMPRESSION 113090-01 103200000004878 20 ELASTOMER FOR STACK AND RISER FEMALE RECEPTACLE EMPAC WORK ORDER NO : 8707-000353-000 COMPLETE 04/02/2007 13:33:57 RUBBER GROMMENTS ARE IN SS SHOP.. M.HAY
Deepwater Horizon-TO BE REMOVED	WCS BOPP 001	BOP Blue MUX Control Pod	High	Well Control	21550038057706	1550038071764	Closed	Corrective Maintenance	Calendar		Sm- 3 Each Section Of Grating For Contr	2/3/2007	2/3/2007	3/29/2007	Sm- 3 Each Section Of Grating For Control Pods Sm00321087 Pods Need Grating On Top To Keep From Getting Damaged	Not Specified	Not Specified	0			EMPAC WORK ORDER NO : 8707-000610-000 RECEIVED 03/04/2007 18:23:43 CM 5121-3856 QUAN: 3 LOCATION: IN BLUE TOI CARGO BOX. GRATING, YELLOW CORVEX FIRE RETARDANT, 1" THICK X 1-1/2" SQUARE MESH, SLIP RESISTANT MENISCUS SURFACE, 3' 9 INCHES WIDE X 6.0' LONG. EMPAC WORK ORDER NO : 8707-000610-000 GRATING FOR CONTROL PODS 02/03/2007 09:24:18 2 EA. GREASE FITTINGS STK: 55256 GRATING, YELLOW CORVEX FIRE RETARDANT, 1" THICK X 1-1/2" SQUARE MESH, SLIP RESISTANT MENISCUS SURFACE, 3' 9" WIDE X 6' 0" LONG QTY NEEDED 3 EACH SM00321087 FOR CAMERON CONTROL PODS UNIT COST: \$324.00 VENDOR: WELL SERVICE 337-364-3025 EMPAC WORK ORDER NO : 8707-000610-000 RECEIVED GRATING 03/18/2007 18:39:20 RECEIVED O.MC. LOCATED IN THE HOUSE.
Deepwater Horizon-TO BE REMOVED	WCS BOPP 002	BOP Yellow MUX Control Pod	High	Well Control	21550038057858	1550038071765	Closed	Corrective Maintenance	Calendar		Sm- 3 Each Section Of Grating For Contr	2/3/2007	2/3/2007	3/29/2007	Sm- 3 Each Section Of Grating For Control Pods Sm00321087 Pods Need Grating On Top To Keep From Getting Damaged	Not Specified	Not Specified	0			EMPAC WORK ORDER NO : 8707-000610-000 RECEIVED 03/04/2007 18:23:43 CM 5121-3856 QUAN: 3 LOCATION: IN BLUE TOI CARGO BOX. GRATING, YELLOW CORVEX FIRE RETARDANT, 1" THICK X 1-1/2" SQUARE MESH, SLIP RESISTANT MENISCUS SURFACE, 3' 9 INCHES WIDE X 6.0' LONG. EMPAC WORK ORDER NO : 8707-000610-000 GRATING FOR CONTROL PODS 02/03/2007 09:24:18 2 EA. GREASE FITTINGS STK: 55256 GRATING, YELLOW CORVEX FIRE RETARDANT, 1" THICK X 1-1/2" SQUARE MESH, SLIP RESISTANT MENISCUS SURFACE, 3' 9" WIDE X 6' 0" LONG QTY NEEDED 3 EACH SM00321087 FOR CAMERON CONTROL PODS UNIT COST: \$324.00 VENDOR: WELL SERVICE 337-364-3025 EMPAC WORK ORDER NO : 8707-000610-000 RECEIVED GRATING 03/18/2007 18:39:20 RECEIVED O.MC. LOCATED IN THE BOP HOUSE.
Deepwater Horizon-TO BE REMOVED	WCS BOPP 003	BOP White Mux Control Pod	High	Well Control	21550038058000	1550038071766	Closed	Corrective Maintenance	Calendar		Sm- 3 Each Section Of Grating For Contr	2/3/2007	2/3/2007	3/29/2007	Sm- 3 Each Section Of Grating For Control Pods Sm00321087 Pods Need Grating On Top To Keep From Getting Damaged	Not Specified	Not Specified	0			EMPAC WORK ORDER NO : 8707-000610-000 RECEIVED 03/04/2007 18:23:43 CM 5121-3856 QUAN: 3 LOCATION: IN BLUE TOI CARGO BOX. GRATING, YELLOW CORVEX FIRE RETARDANT, 1" THICK X 1-1/2" SQUARE MESH, SLIP RESISTANT MENISCUS SURFACE, 3' 9 INCHES WIDE X 6.0' LONG. EMPAC WORK ORDER NO : 8707-000610-000 GRATING FOR CONTROL PODS 02/03/2007 09:24:18 2 EA. GREASE FITTINGS STK: 55256 GRATING, YELLOW CORVEX FIRE RETARDANT, 1" THICK X 1-1/2" SQUARE MESH, SLIP RESISTANT MENISCUS SURFACE, 3' 9" WIDE X 6' 0" LONG QTY NEEDED 3 EACH SM00321087 FOR CAMERON CONTROL PODS UNIT COST: \$324.00 VENDOR: WELL SERVICE 337-364-3025 EMPAC WORK ORDER NO : 8707-000610-000 RECEIVED GRATING 03/18/2007 18:39:20 RECEIVED O.MC. LOCATED IN THE BOP HOUSE.
Deepwater Horizon-TO BE REMOVED	WCS BOPP 002	BOP Yellow MUX Control Pod	High	Well Control	21550038057765	1550038071969	Closed	Corrective Maintenance	Calendar		Accumulator Removed From This Pod Needs	2/8/2007	2/8/2007	2/20/2007	Accumulator Removed From This Pod Needs New Bladder. Bladder Leaked On Last Rig Move.	Not Specified	Not Specified	0			EMPAC WORK ORDER NO : 8707-000741-000 WORK COMPLETE 02/20/2007 03:43:22 PULLED OLD BLADDER OUT AND CLEANED UP. INSTALLED NEW BLADDER. 02/20/07 O.MC.
Deepwater Horizon-TO BE REMOVED	WCS BOPP 002	BOP Yellow MUX Control Pod	High	Well Control	21550038057766	1550038071700	Closed	Corrective Maintenance	Calendar		Replace Bad Anodes On Pod	3/5/2007	1/27/2007	2/27/2007	Replace Bad Anodes On Pod. Anodes Are Used Up And New Ones Need To Be Installed.	Not Specified	Not Specified	0			EMPAC WORK ORDER NO : 8707-000549-000 CHARGE TO WO# 1092 02/27/2007 15:38:27 ANODES CANCELLED ON THIS WORK ORDER AND CHARGED TO WORK ORDER # 1092 IN ORDER TO KEEP ALL POD COSTS ON ONE WORK ORDER - DGATES EMPAC WORK ORDER NO : 8707-000549-000 ANODES FOR # 2 POD 02/27/2007 14:14:11 BILL STRINGFELLOW REPLACE BAD ANODES ON POD.

RIGDESC	Tag	Tag Desc	Priority	Craft	SCHEDID	Job No	Job Status	Job Type	Schedule Type	Event	JOBDESC	Sched Date	Start Date	Complete Date	Job Instructions	Safety	Tools	Work Log No	Work Log Date Entered By	Work Log Detail	Job Remarks
Deepwater Horizon - WCS BOPP (BOP Control Pods)																					
Deepwater Horizon-TO BE REMOVED	WCS BOPP 003	BOP White Mux Control Pod	High	Well Control	21550038057909	1550038086280	Closed	Corrective Maintenance	Calendar		Sm - Repair Flow Meter Removed From Yell	6/15/2008	5/11/2008	6/23/2008	Repair And Return Pod Flow Meter Flow Meter Reading Incorrect Gallon Count.	Not Specified	Not Specified	0			EMPAC WORK ORDER NO : 8708-002634-000 SEND IN DEFECTIVE FLOW METER 05/11/2008 09:04:10 REPAIR AND SEND BACK TO RIG. SEND IN DEFECTIVE POD FLOW METER REMOVED FROM BLUE POD LAST RIG MOVE METER, FLOW, HIGH SHOCK MODEL, CAMERON P/N 2710040-02 (OLD 2185354-01) MFG: FLOW TECHNOLOGY LN-5-A-MA-1015 S/N: 2404765 P/N: 2710040-02 SEND TO: Jennifer Kelth FTI Flow Technology, Inc. Sales Manager Direct: (480) 240-3314 www.ftimeters.com 8930 S. Beck Avenue, Ste. 107 Tempe, AZ 85284 Main Phone: (480) 240-3400 Main Fax: (480) 240-3401 EMPAC WORK ORDER NO : 8708-002634-000 SHIPPED 05/23/2008 12:35:51 SHIP IN ON C/M 5121-4429 REF: RMA # 34181 JCLEMENTS EMPAC WORK ORDER NO : 8708-002634-000 RECEIVED 06/22/2008 01:20:34 RECEIVED 1 EA ICH: 429803 METER, FLOW, HIGH SHOCK MODEL, CAMERON P/N 2710040-02 (OLD 2185354-01 ON CM 5121-4473 GIVEN TO MARK HAY ASHLEY DEAN
Deepwater Horizon-TO BE REMOVED	WCS BOPP 001	BOP Blue MUX Control Pod	High	Electronics	21550038057602	1550038080820	Closed	Corrective Maintenance	Calendar		Sm - Pcb Control Card Repair/Return	6/30/2008	11/11/2007	6/21/2008	When Card Returns From Repairs Adjust Into Stock As A Class 4 Spare. Pcb Control Card Is Bad And Needs To Be Repaired.	Not Specified	Not Specified	0			EMPAC WORK ORDER NO : 8707-006249-000 REPAIR/RETURN 11/11/2007 11:05:12 SBERTONE SEND IN PCB CONTROL CARD FOR REPAIR AND RETURN. QTY: 1 TOI #: 405717 DESCRIPTION: PCB,CONTROL, PEP, CPU-BOARD, VSBC4 CAMERON CONTROLS (HOUSTON) MFG# 618095-14-02-02 S/N: 80312278 SEND TO: BRAD CODY CAMERON CONTROLS AFTERMARKET HOUSTON, TEXAS Ph: 713-683-4327 Fax: 713-683-4363 EMPAC WORK ORDER NO : 8707-006249-000 TROUBLESHOOTING 11/11/2007 09:01:33 SBERTONE THE YELLOW "B" POD WAS NOT COMMUNICATING, CAMERON SUGGESTED DELETING THE PROGRAM ON THE PCB CONTROL CARD, WHEN WE TRIED TO DELETE THE PROGRAM IT WOULD NOT ALLOW US TO. WE THEN PULLED THE SPARE CARD WITH CHIPS FROM THE WAREHOUSE AND INSTALLED IT, THE PROGRAM LOADED FINE, BUT THE POD WOULD STILL NOT COMMUNICATE. CAMERON SAID THERE IS DEFINITELY A HARDWARE ISSUE WITH THE OLD CARD AND SUGGESTED SENDING IT IN FOR REPAIRS. CAMERON WILL BE TRAVELING TO THE RIG TO INVESTIGATE FURTHER INTO THE ISSUE. EMPAC WORK ORDER NO : 8707-006249-000 SHIPPED CM 5121-4199 11/27/2007 18:20:01 1 EACH ICH 405717 PCB,CONTROL, PEP, CPU-BOARD, VSBC4 CAMERON CONTROLS MFG# 618095-14-02-02, S/N: 80312278 1 EACH ICH 129343 PCB, INTERFACE, PROFIBUS
Deepwater Horizon-TO BE REMOVED	WCS BOPP 003	BOP White Mux Control Pod	High	Well Control	21550038057906	1550038088096	Closed	Corrective Maintenance	Calendar		Rebuild Pod Regulator	7/12/2008	7/12/2008	7/13/2008	Rebuild Pod Pilot Regulator Pod Regulator Leaked On Last Well	Not Specified	Not Specified	0			EMPAC WORK ORDER NO : 8708-003763-000 WORK COMPLETE 07/13/2008 16:29:10 REGULATOR REBUILT BY JA. ODERWALD 07/13/08
Deepwater Horizon-TO BE REMOVED	WCS BOPP 003	BOP White Mux Control Pod	High	Well Control	21550038057907	1550038087199	Closed	Corrective Maintenance	Calendar		Sending 12 Solenoids To D&D For Overhaul	8/15/2008	6/11/2008	10/8/2008	Sending 12 Bad Solenoids To D&D For Overhaul Solenoids Leak And Need Repairing	Not Specified	Not Specified	0			EMPAC WORK ORDER NO : 8708-003179-000 SENDING PARTS 06/11/2008 05:14:16 SEND FROM RIG: 12 E-CONNECTORS STOCK # 36764 12 REPAIR KITS STOCK #30-12444 TO D&D FOR OVERHAULING SOLENOIDS FROM RIG. O.M.C. 06/11/08EMPAC WORK ORDER NO : 8708-003179-000 SEND SOLENOIDS TO D&D 06/11/2008 05:15:01 QUOTE AND CONTACT INFORMATION BELOW O. MC. 06/11/08 D&D TECH SYSTEMS 2121 Brittmore Rd. Unit B8300 Houston, Texas 77043 Phone: (713) 996-9404 Phone: (832) 622-8608 Phone: (713) 534-4016 ddtechsystems@gmail.com June 10, 2008 Mr. Dana H. Burkett Transocean Subsea Support Group Houston, Texas Attention: Dana H. Burkett Reference: (12) Solenoid Valves - Refurbish [Electrically, Mechanically] and Test Mr. Dana H. Burkett, D&D Tech Systems is pleased to provide the following quotation for your review and consideration. Scope of Supply D&D Tech Systems will provide all necessary labor to refurbish[electrically and mechanically], and test (12) Solenoid Valves per your request. Repair parts will be provided by Transocean. Pricing Labor The labor cost for refurbishing and testing (12) Solenoid Valves: \$ 4,500.00 Payment Schedule Net 30 Days. Delivery Delivery is
Deepwater Horizon-TO BE REMOVED	WCS BOPP 001	BOP Blue MUX Control Pod	High	Well Control	21550038057993	1550038088908	Closed	Corrective Maintenance	Calendar		Sending 18 Repair Kits To Dana Burkett	8/20/2008	8/8/2008	9/11/2008	Sending 18 Kits For Refinishing, Seal Plates Need Refinishing	Not Specified	Not Specified	0			EMPAC WORK ORDER NO : 8708-004277-000 WHEN RECEIVED BACK 08/11/2008 05:17:46 RETURN TO STOCK WHEN RECEIVED BACK ON RIG ASHLEY DEANEMPAC WORK ORDER NO : 8708-004277-000 SENT IN CM 5121-4537 08/11/2008 05:25:34 SHIPPED IN 18 EA ICH:30060000001244 KIT, REPAIR F/SOLENOID VALVE, P/N 223290-63-00-99 TO: DANA BURKETT 1311 BROADFIELD BLVD. HOUSTON TX 77084 SUITE 350 EMPAC WORK ORDER NO : 8708-004277-000 SEND KITS TO DANA BURKETT 08/11/2008 06:37:38 SEND KITS TO: DANA BURKETT 1311 BROADFIELD BLVD. HOUSTON TX 77084 SUITE 350 SENDING THESE KITS TO BE REFINISHED. SHEAR SEALS ARE NOTORIOUS FOR LEAKING FRESH OUT OF THE PACKAGE DANA HAS RECOMMENDED THIS BE DONE TO INSURE KITS WILL NOT FAIL WHEN USED. EMPAC WORK ORDER NO : 8708-004277-000 WHEN KITS ARE FINISHED 08/11/2008 19:32:13 DISCUSSED WITH DANA BURKETT THAT WE MIGHT COULD HAVE D&D KEEP THE KITS AT THEIR FACILITY FOR REBUILDING MORE SOLENOIDS AFTER THE RIG MOVE. HE REPLIED THAT THAT WOULD BE A GOOD IDEA. SAVE ON SOME SHIPPING KITS ARE TO REMAIN AT D&D UNTIL FURTHER NOTICE. O.N. 08/11/08.

[illegible]

