

6650 Bingle Road  
Houston, Texas 77092  
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# Quotation



**To:** Mr. Steve Donohue  
Transocean Sedco Forex

**From:** Eduardo Villamarin

**Fax:** **Pages:** 3

**Phone:** **Date:** September 9, 2004

**Re:** Upgrade of SEM 223058-17 and  
Replacement of Cables on  
Solenoid Valves – Horizon Rig

**cc:**

☐ Urgent ☒ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

Quote No.: 82604HOR.r2n response to your request, we offer the following:

Item	Part No.	Qty	Description	Std. Price USD	Price USD Discounted 15%	Total Price USD
			<b>SEM UPGRADE</b>			
1	619091-05-22	2	CONVERTER, DC/DC, 24/+12, -12 V DC			No charge
2	619084-04-42	10	CBL MOUNTING HOLE, W=25mm, L=32mm			No charge
3	619022-02-92-02	1	SHRINK TUBING, 3 - 1 MM, BLACK			No charge
4	619092-14-06	1	FUSE, RESETTABLE, 1.10 A, 50 V			No charge
5	702645-45-61	1	O-RG .275W X 13.475ID 90D NITRILE			No charge
6	702645-45-91	1	O RING, SIZE AS-568-459 14.975 ID X			No charge
7	706088	90	WIRE, 20AWG 600V TEFLON COVER			No charge
8	708771	50	TIE STRAP, CABLE 3.62" LG 1/16 TO			No charge
9	619022-02-94-02	1	SHRINK TUBING, 6.4 - 3.2 MM, BLACK			No charge
10	619084-04-03	159	CABLE TIE			No charge
12	619095-02-07	2	POWER SUPPLY, 264 VAC, 5 VDC, 50 W			No charge
11		72	<b>SOLENOID VALVE CABLE REPLACEMENT</b> The price breakdown consists of removing the solenoid valve from the mux unit, steam washing units, replacing the cable, P/N 222843-01, testing the solenoid valve and mounting it to the mux unit.	\$ 1,080.80		\$ 77,817.60
12		7	Credit for (7) E-connectors provided by customer. Each priced at \$728.00			\$ (5,096.00)
13		1	SEM Cover: Inley and re-coat			\$ 3,500.00

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TRN-INV-00580082

[AT]

		<b>Labor:</b> To Disconnect cables from SEM while it is on the mux unit. Remove SEM, upgrade SEM with materials listed above + power supplies , upgrade to 24 volt, upgrade analog returns. Will seal test and FAT SEM, mount SEM on mux unit and connect cables, and finally test the solenoid valve firing on the mux. Will install missing parts on mux (customer provided) + plug tubing lines not in used. Estimated 113 hours at \$98.00/hr.			\$11,074.00
<b>TOTAL REPAIR COST</b>					<b>\$87,295.60</b>

**TOTAL COST, EX-WORKS HOUSTON, TX. \$87,295.60**

**Delivery: 6 - 8 weeks After PO is received**

**Validity: 30 Days; Terms: Net 30 days**

Regards,  
Eduardo Villamarin  
Cameron  
Houston, Texas  
Ph: 713-683-4615  
Fax: 713-683-4344

**Delivery:**

Delivery will be approximately 6 - 8 weeks after receipt of a technically clarified order. Delivery date will be dependent on the manufacturing availability at the time of placement of purchase order. Cameron Controls reserves the right to manufacture this system in either Houston, Texas or Celle, Germany, depending on manufacturing availability at time of order.

**Notes:**

Cameron Controls reserves the right to issue a revised quotation should there be any deviation or additions to this quotation. Deliveries offered herein are based upon material availability and manufacturing capacity at the time of quotation. Cameron Division's Terms and Conditions of sale form part of this quotation and shall apply to any contract of sale. Prices quoted do not include any third party charges or fees for certification, witness, design review or related services. Charges and arrangements for these services are the customer's responsibility.

#### Warranty Term

Cameron warrants that the goods and/or services it provides are free from defects in workmanship or materials for a period equal to the earlier of 12 months from first use or 18 months from the date of ex-works delivery, (in respect of equipment), or six months from completion of work, (in respect of service). If notice of defect is provided within the warranty period, Cameron will repair and/or replace the defective equipment or re-perform the defective service. Notwithstanding the above, Cameron's sole liability under this warranty, and the Customer's sole remedy for breach of this warranty, (inclusive of defects caused by Cameron's negligence) shall be limited to such repair or replacement of the equipment, or re-performance of the services, as determined by Cameron. With respect to repairs, Cameron warrants only the quality of the repair made and the performance of the equipment repaired.

Cameron will not be responsible for failure of the goods that have been in any way tampered with or altered by anyone other than an authorized representative of Cameron. This limitation also applies to failures due to lack of compliance with any recommended maintenance procedures, or in respect of the goods that have been repaired or altered, by a party other than Cameron, in such a way as to adversely affect the operation of such equipment. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EITHER UNDER CONTRACT OR AT LAW.