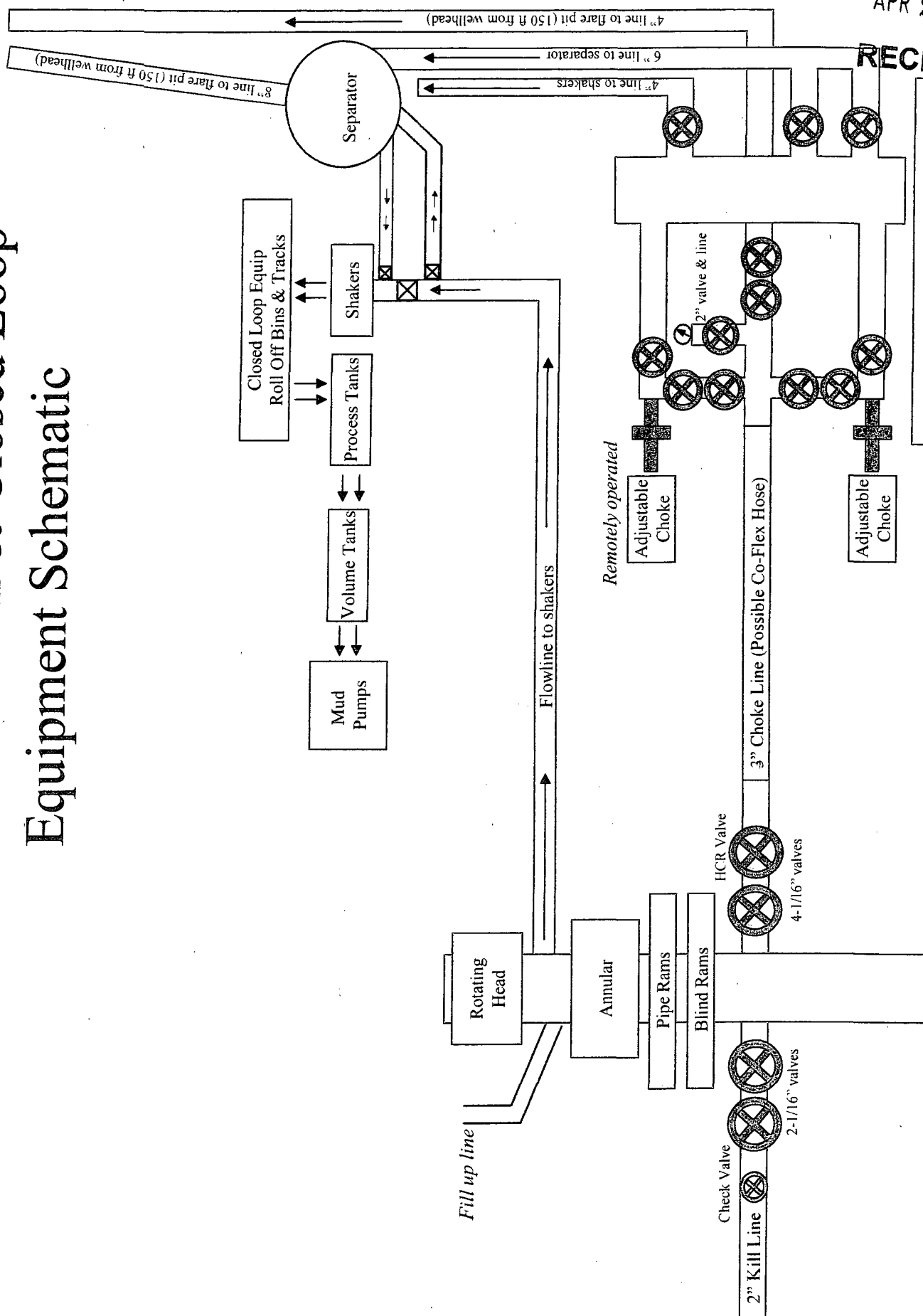


# 13-5/8" 3M BOPE & Closed Loop Equipment Schematic

HOBBS OCD

APR 25 2016

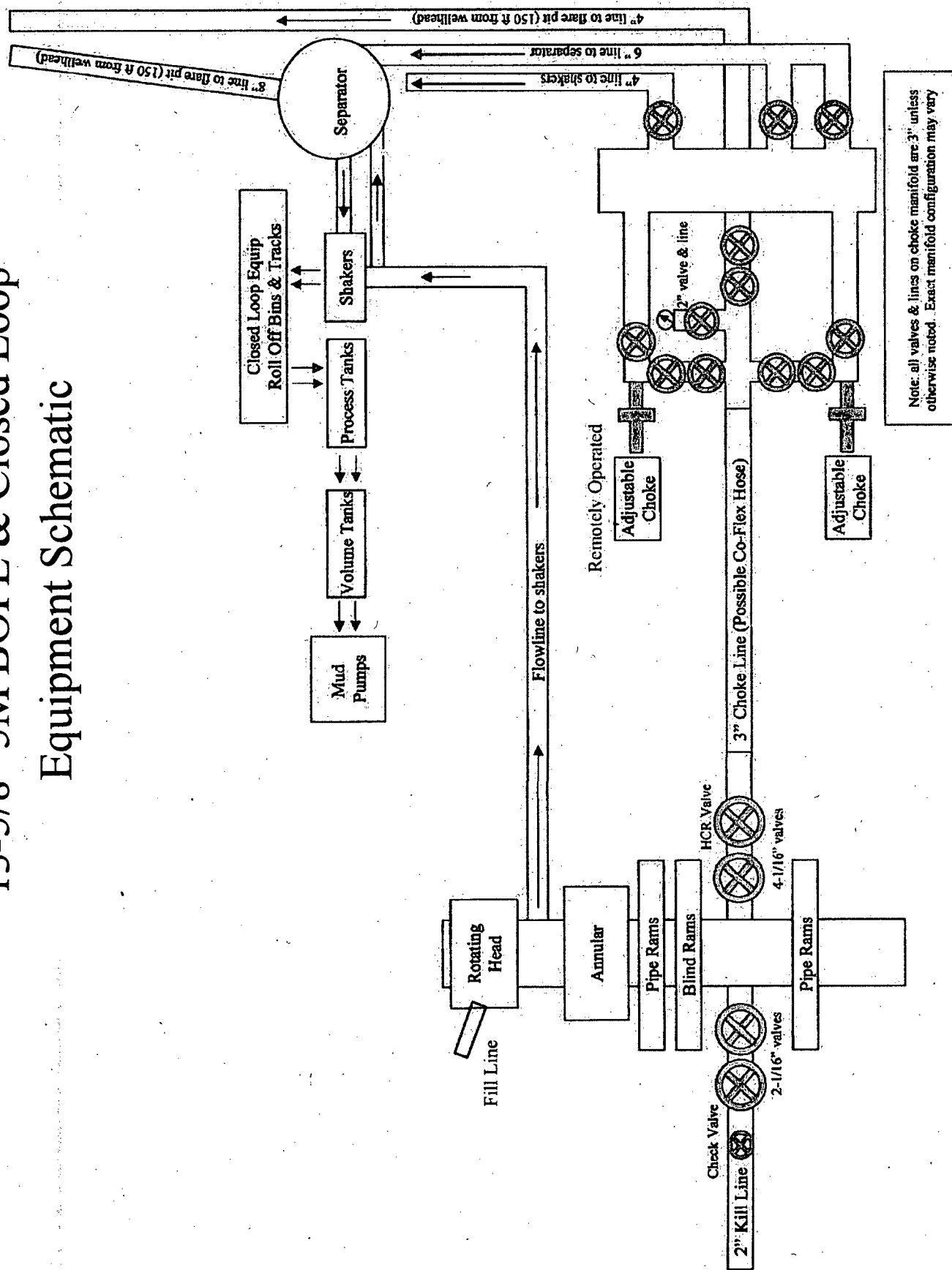
RECEIVED



Note: all valves & lines on choke manifold are 3" unless otherwise noted. Exact manifold configuration may vary.

APR 25 2016


# 13-5/8" 5M BOPE & Closed Loop Equipment Schematic

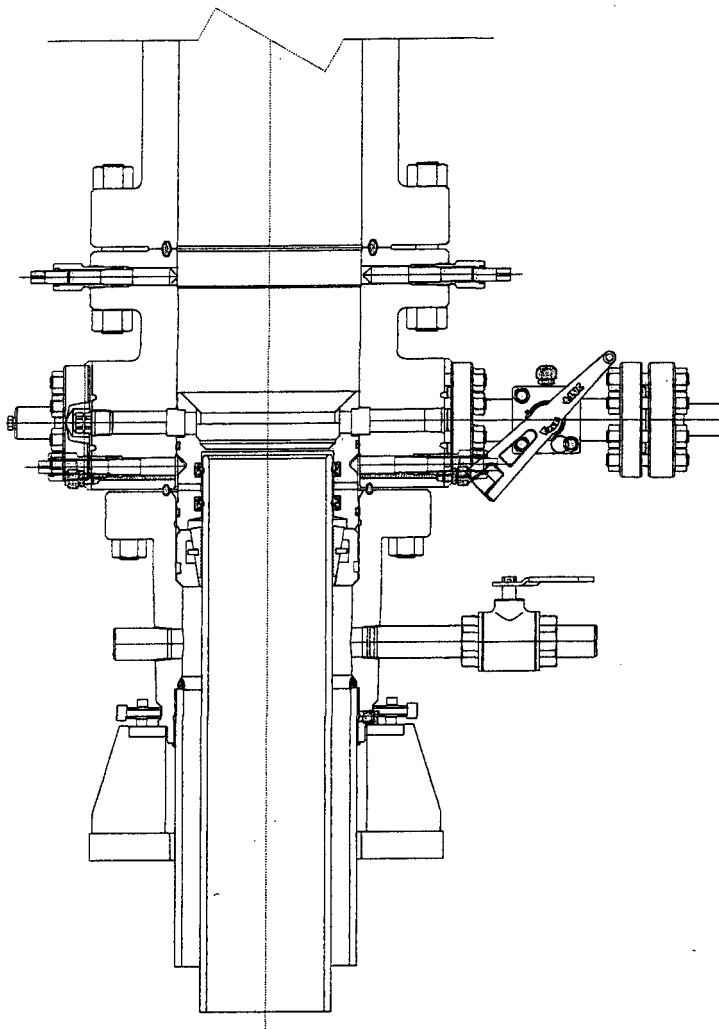


## **NOTES REGARDING BLOWOUT PREVENTERS**

Devon Energy Production Company, L.P.  
**GREEN WAVE 20-29 FED 71H**

1. Drilling Nipple will be constructed so it can be removed mechanically without the aid of a welder. The minimum internal diameter will equal BOP bore.
2. Wear ring will be properly installed in head.
3. Blowout preventer and all associated filings will be in operable condition to withstand a minimum of 3000psi working pressure.
4. All fittings will be flanged.
5. A fill bore safety valve tested to a minimum of 3000psi WP with proper thread connections will be available on the rotary rig floor at all times.
6. All choke lines will be anchored to prevent movement.
7. All BOP equipment will be equal to or larger in bore than the internal diameter of the last casing string.
8. Will maintain a kelly cock attached to the kelly.
9. Hand wheels and wrenches will be properly installed and tested for safe operation.
10. Hydraulic floor control for blowout preventer will be located as near in proximity to driller's controls as possible.
11. All BOP equipment will meet API standards and include a minimum 40 gallon accumulator having two independent means of power to initiate closing operation.

<b>PRIVATE AND CONFIDENTIAL</b> THIS DOCUMENT AND ALL THE INFORMATION CONTAINED HEREIN ARE THE CONFIDENTIAL AND EXCLUSIVE PROPERTY OF FMC TECHNOLOGIES AND MAY NOT BE REPRODUCED, USED, DISCLOSED, OR MADE PUBLIC IN ANY MANNER PRIOR TO EXPRESS WRITTEN AUTHORIZATION BY FMC TECHNOLOGIES. THIS DOCUMENT IS ACCEPTED BY RECIPIENT PURSUANT TO AGREEMENT TO THE FOREGOING, AND MUST BE RETURNED UPON DEMAND.		<b>REVISIONS</b> A 05-08-13 B 1-22-14 C 5-13-14	<b>DESCRIPTION</b>  SURFACE WELLHEAD LAYOUT UNIHEAD, UH-1, SOW. DEVON ENERGY, ODESSA	DRAWN BY K. VU 05-08-13  DRAFTING REVIEW Z. MARQUEZ 05-08-13  DESIGN REVIEW K. TAHA 05-08-13  APPROVED BY R. HAMILTON 05-08-13	 DRAWING NUMBER DM100161771-2A
MANUFACTURER AGREES THAT ARTICLES MADE IN ACCORDANCE WITH THIS DOCUMENT SHALL BE CONSIDERED FMC TECHNOLOGIES DESIGN AND THAT IDENTICAL ARTICLES OR PARTIAL THEREOF SHALL NOT BE MANUFACTURED FOR THE USE OR SALE BY MANUFACTURER OR ANY OTHER PERSON WITHOUT THE PRIOR EXPRESS WRITTEN AUTHORIZATION BY FMC TECHNOLOGIES					



CONTINGENCY MODE

DEVON ENERGY  
ARTESIA  
S.E.N.M  
13 3/8 X 9 5/8

QUOTE LAYOUT  
F18648  
REF: DM100161737  
DM100151315

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	A	05-08-13	K. VU	05-08-13	
	B	1-22-14	Z. MARQUEZ	05-08-13	
	C	5-13-14	K. TAHA	05-08-13	
			R. HAMILTON	05-08-13	
		SURFACE WELLHEAD LAYOUT UNIHEAD, UH-1, SOW, DEVON ENERGY, ODESSA			



Fluid Technology

ContiTech Beattie Corp.  
Website: [www.contitechbeattie.com](http://www.contitechbeattie.com)

Monday, June 14, 2010

RE: Drilling & Production Hoses  
Lifting & Safety Equipment

To Helmerich & Payne,

A Continental ContiTech hose assembly can perform as intended and suitable for the application regardless of whether the hose is secured or unsecured in its configuration. As a manufacturer of High Pressure Hose Assemblies for use in Drilling & Production, we do offer the corresponding lifting and safety equipment, this has the added benefit of easing the lifting and handling of each hose assembly whilst affording hose longevity by ensuring correct handling methods and procedures as well as securing the hose in the unlikely event of a failure; but in no way does the lifting and safety equipment affect the performance of the hoses providing the hoses have been handled and installed correctly. It is good practice to use lifting & safety equipment but not mandatory.

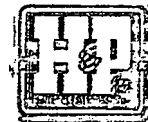
Should you have any questions or require any additional information/clarifications then please do not hesitate to contact us.

ContiTech Beattie is part of the Continental AG Corporation and can offer the full support resources associated with a global organization.

Best regards,

Robin Hodgson  
Sales Manager  
ContiTech Beattie Corp

ContiTech Beattie Corp,  
11535 Brittnore Park Drive,  
Houston, TX 77041  
Phone: +1 (832) 327-0141  
Fax: +1 (832) 327-0148  
[www.contitechbeattie.com](http://www.contitechbeattie.com)



RIG 212



## QUALITY DOCUMENT

**PHOENIX RUBBER  
INDUSTRIAL LTD.**

 \*8728 Szeged, Budapest út 10. Hungary - H-6701 Szeged, P. O. Box 152  
 Phone: (3682) 566-737 - Fax: (3682) 566-738

 SALES & MARKETING: H-1092 Budapest, Róday u. 42-44. Hungary - H-1440 Budapest, P. O. Box 26  
 Phone: (361) 458-4200 - Fax: (361) 217-2972, 458-4273 - www.tauruserge.hu

QUALITY CONTROL INSPECTION AND TEST CERTIFICATE				CERT. N°: 552	
PURCHASER: Phoenix Beattie Co.				P.O. N°: 1519FA-871	
PHOENIX RUBBER order N°: 170466		HOSE TYPE: 3" ID Choke and Kill Hose			
HOSE SERIAL N°: 34128		NOMINAL / ACTUAL LENGTH: 11,43 m			
W.P. 68,96 MPa 10000 psi		T.P. 103,4 MPa 15000 psi		Duration: 60 min.	
Pressure test with water at ambient temperature  <div style="text-align: center;">See attachment (1 page)</div>					
↑ 10 mm = 10 Min. → 10 mm = 25 MPa					
COUPLINGS					
Type	Serial N°		Quality	Heat N°	
3" coupling with 4 1/16" Flange end	720 719		AISI 4130	C7626	
			AISI 4130	47357	
API Spec 16 C Temperature rate: "B"					
All metal parts are flawless					
WE CERTIFY THAT THE ABOVE HOSE HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE TERMS OF THE ORDER AND PRESSURE TESTED AS ABOVE WITH SATISFACTORY RESULT.					
Date:  29. April. 2002.		Inspector		Quality Control <b>PHOENIX RUBBER</b> Industrial Ltd. <i>Hase Inspection and</i> <i>VERIFIED TRUE COPY</i> <b>PHOENIX RUBBER Q.C.</b>	

14094-85

40920-0-00015 N800L

8	CN	10.000	00	14.00
	RD	10.000	00	14.00
	BL	10.000	00	14.00
7	CN	10.000	00	14.00
	RD	10.000	00	14.00
	BL	10.000	00	14.00
6	CN	10.000	00	14.00
	RD	10.000	00	14.00
	BL	10.000	00	14.00
5	CN	10.000	00	14.00
	RD	10.000	00	14.00
	BL	10.000	00	14.00
4	CN	10.000	00	14.00
	RD	10.000	00	14.00
	BL	10.000	00	14.00
3	CN	10.000	00	14.00
	RD	10.000	00	14.00
	BL	10.000	00	14.00
2	CN	10.000	00	14.00
	RD	10.000	00	14.00
	BL	10.000	00	14.00

*[Signature]*  
PHOENIX RUBBER  
Industrial Ltd.  
Hose Inspection and  
Certification Dept.

VERIFIED TRUE CO.  
PHOENIX RUBBER & C.