

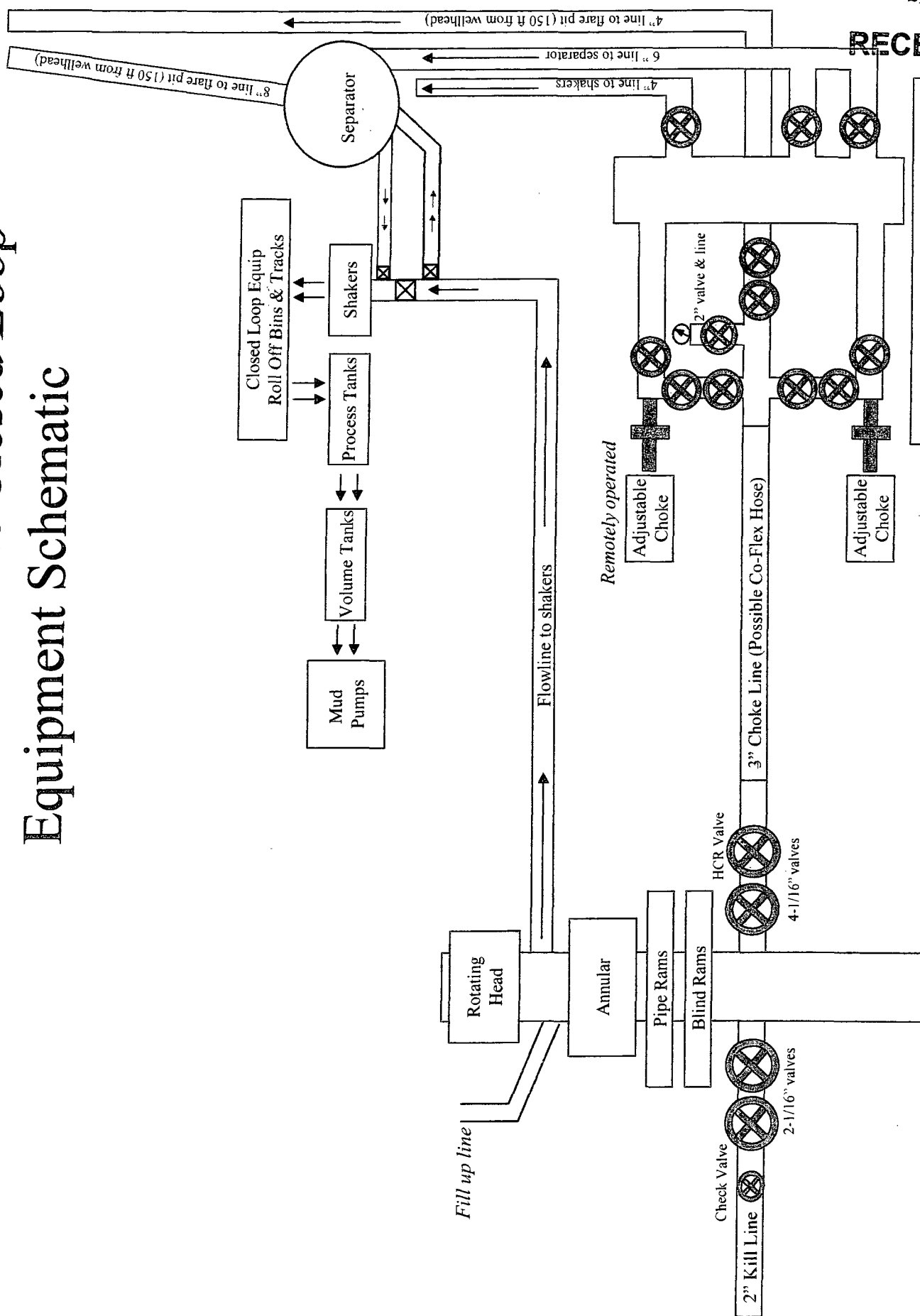
# 13-5/8" 3M BOPE & Closed Loop Equipment Schematic

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



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 Heimerich & 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/clearifications 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 Brittmoore Park Drive,  
Houston, TX 77041  
Phone: +1 (832) 327-0141  
Fax: +1 (832) 327-0148  
[www.contitechbeattie.com](http://www.contitechbeattie.com)



40920-0-00015 N800L 14094-65

6	CN	10.0000	PT	14.00
	RD	10.0000	PT	14.00
	BL	10.0000	PT	14.00
7	CN	10.0000	PT	13.40
	RD	10.0000	PT	13.40
	BL	10.0000	PT	13.40
8	CN	10.0000	PT	13.20
	RD	10.0000	PT	13.20
	BL	10.0000	PT	13.20
5	CN	10.0000	PT	13.00
	RD	10.0000	PT	13.00
	BL	10.0000	PT	13.00
4	CN	10.0000	PT	13.00
	RD	10.0000	PT	13.00
	BL	10.0000	PT	13.00
3	CN	10.0000	PT	12.00
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	BL	10.0000	PT	12.00
2	CN	10.0000	PT	12.00
	RD	10.0000	PT	12.00
	BL	10.0000	PT	12.00

*Don Rye*  
**PHOENIX RUBBER**  
 Industrial Ltd.  
 Hose Inspection and  
 Certification Dept.

**VERIFIED TRUE CO.**  
**PHOENIX RUBBER CO.**

RIG 212



## QUALITY DOCUMENT

PHOENIX RUBBER

INDUSTRIAL LTD.

6723 Szeged, Budapest út 10, Hungary • H-6701 Szeged, P. O. Box 152  
Phone: (3632) 566-737 • Fax: (3632) 566-738

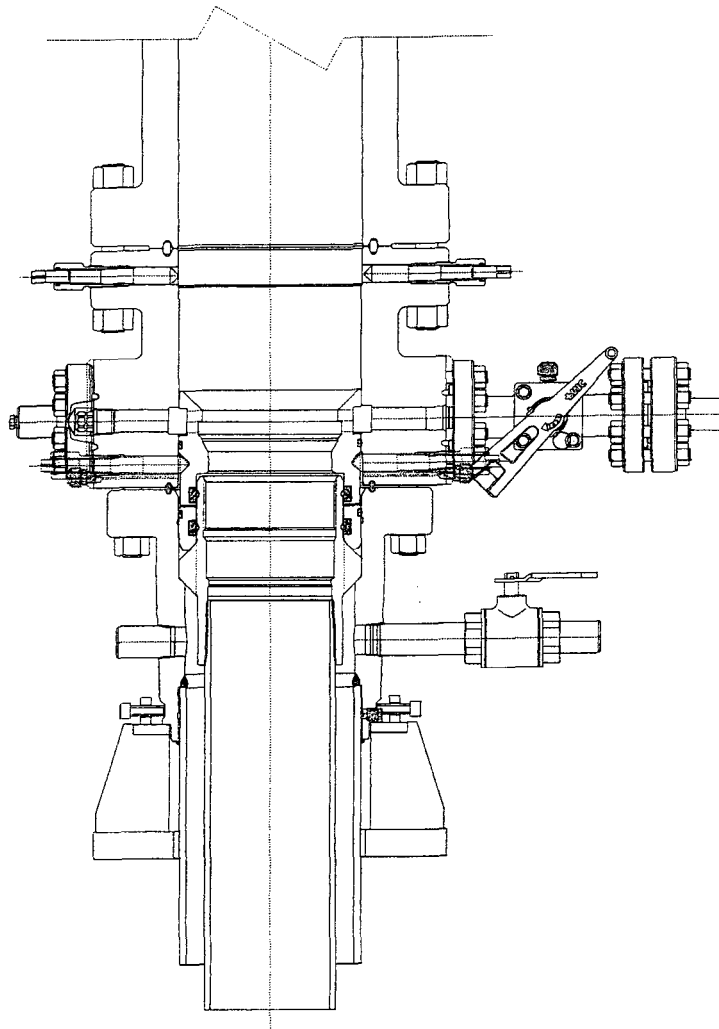
SALES & MARKETING: H-1082 Budapest, Ráday u. 42-44, Hungary • H-1440 Budapest, P. O. Box 26  
Phone: (361) 456-4200 • Fax: (361) 217-2972, 456-4273 • www.baurusemmer.hu

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.	
<p>Pressure test with water at ambient temperature</p> <p style="text-align: center;">See attachment (1 page)</p> <p>↑ 10 mm = 10 Min. → 10 mm = 25 MPa</p>					
COUPLINGS					
Type	Serial N°		Quality	Heat N°	
3" coupling with 4 1/16" Flange end	720 719		AISI 4130	C7626	
			AISI 4130	47357	
<p>API Spec 16 C Temperature rate: "B"</p> <p>All metal parts are flawless</p>					
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:	Inspector		Quality Control		
29. April. 2002.			<p>PHOENIX RUBBER Industrial Ltd. Hose Inspection and Verification Dept. PHOENIX RUBBER G.C.</p>		

## **NOTES REGARDING BLOWOUT PREVENTERS**

**Devon Energy Production Company, L.P.  
GREEN WAVE 20-17 FED 21H**

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.



PRIMARY MODE

**DEVON ENERGY**

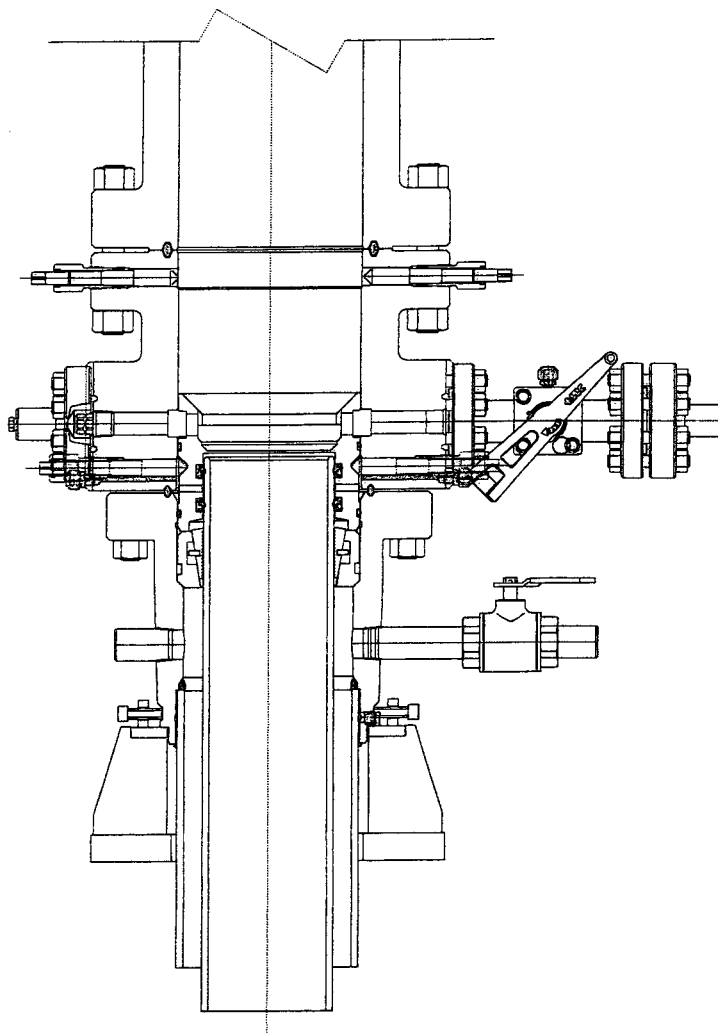
ARTESIA  
S.E.N.M

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	
			APPROVED BY		
			R. HAMILTON	05-08-13	

SURFACE WELLHEAD LAYOUT  
UNIHEAD, UH-1, SOW,  
DEVON ENERGY, ODESSA



CONTINGENCY MODE

DEVON ENERGY

ARTESIA

S.E.N.M

13 3/8 X 9 5/8

QUOTE LAYOUT  
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REF: DM100161737  
DM100151315

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	B	1-22-14	Z. MARQUEZ	05-08-13	
	C	5-13-14	K. TAHA	05-08-13	
			DESIGN REVIEW		
			APPROVED BY		
			R. HAMILTON	05-08-13	

SURFACE WELLHEAD LAYOUT  
UNIHEAD, UH-1, SOW,  
DEVON ENERGY, ODESSA