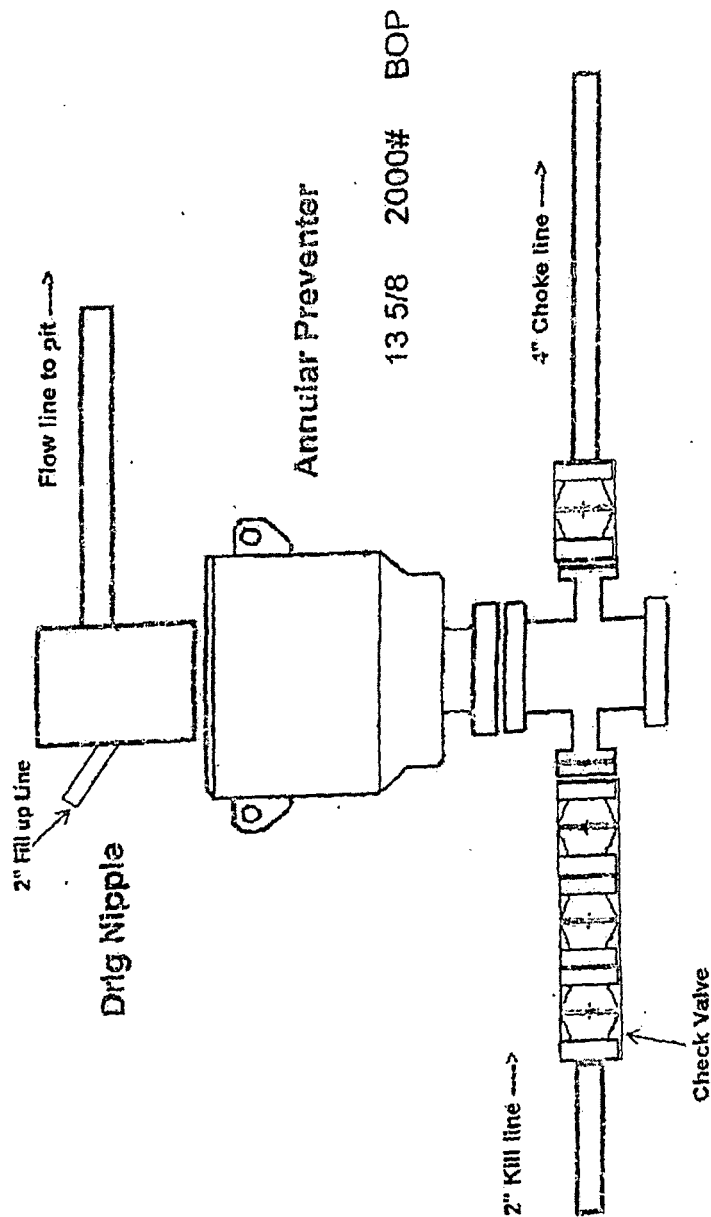


BC Operating, Inc.
Exhibit 1

2,000 psi BOP Schematic



HOBBS OCD

MAR 28 2016

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EXTRA COPY

Per Operator, See Email

3H

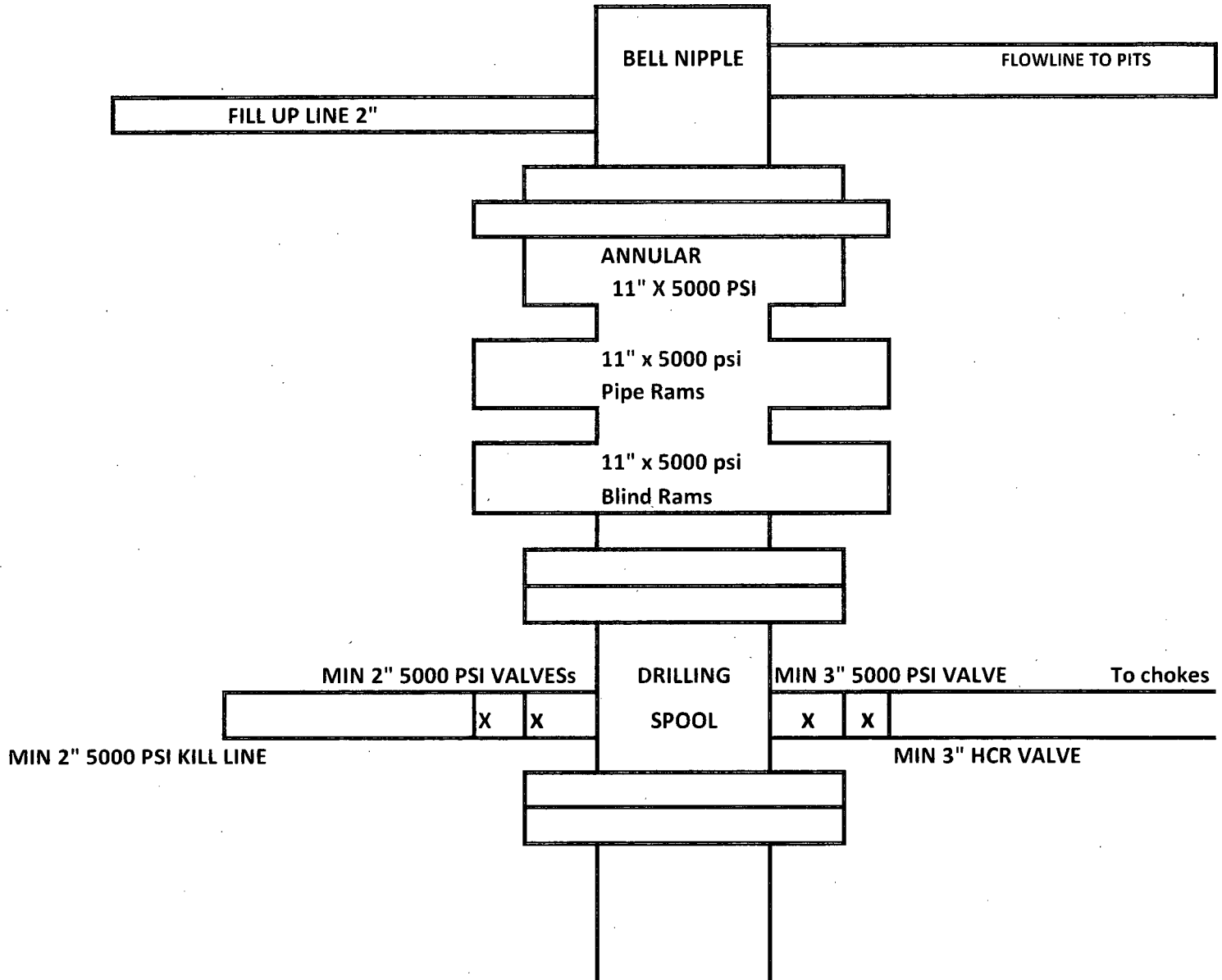
Well Chili Parlor 17 Federal Com #2H

240 FSL, ~~660 FEL~~, Sec. 8, T22S, R33E

~~2200 FEL~~
Lea County New Mexico

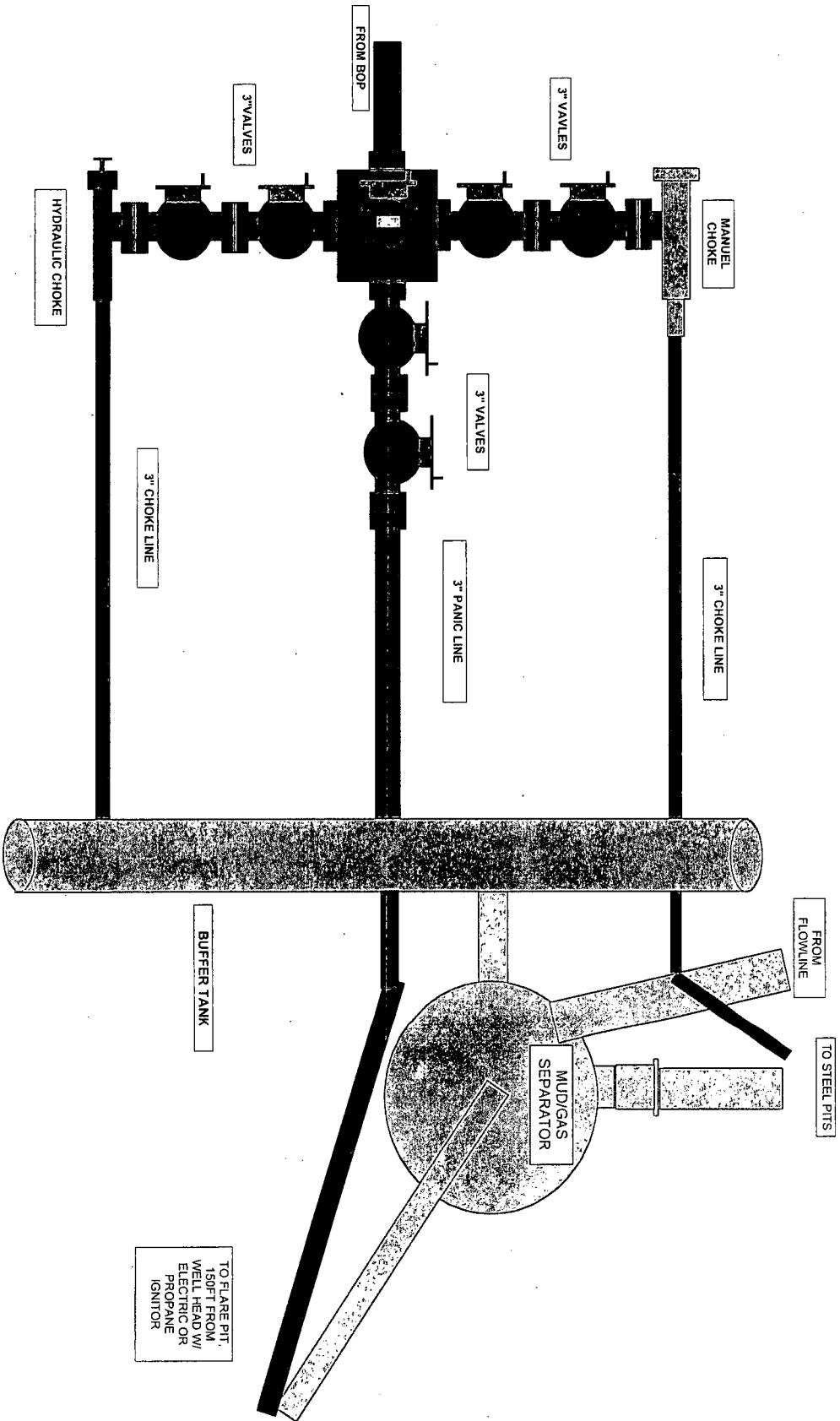
BC Operating, Inc.

BOP Scematic 8.75" & ~~6.125"~~ hole



Per Operator, See Email

Chili Parlor 17 Federal Com #244 3H
5000 psi BOP Manifold System



GB Connection Performance Properties Sheet

Rev. 1 (02/05/2014)

ENGINEERING THE RIGHT CONNECTIONS™

 Casing: **5.5 OD, 17 ppf**
 Grade: **P-110**

 Connection: **GB CD Butt 6.050**
 Grade: **API P-110**

PIPE BODY GEOMETRY				
Nominal OD (in.)	5	1/2	Wall Thickness (in.)	0.304
Nominal Weight (ppf)	17.00	Nominal ID (in.)	4.892	API Alternate Drift Dia. (in.)
Plain End Weight (ppf)	16.89	Plain End Area (in. ²)	4.962	N/A

PIPE BODY PERFORMANCE				
Material Specification	P-110	Min. Yield Str. (psi)	110,000	Min. Ultimate Str. (psi)
Collapse		Tension		
API (psi)	7,480	Pl. End Yield Str. (kips)	546	Min. Int. Yield Press. (psi)
High Collapse (psi)	8,580	Torque		Bending
		Yield Torque (ft-lbs)	64,680	Build Rate to Yield (°/100 ft)
				91.7

GB CD Butt 6.050 COUPLING GEOMETRY		
Coupling OD (in.)	6.050	Makeup Loss (in.)
Coupling Length (in.)	8.500	Critical Cross-Sect. (in. ²)
		6.102

GB CD Butt 6.050 CONNECTION PERFORMANCE RATINGS/EFFICIENCIES					
Material Specification	API P-110	Min. Yield Str. (psi)	110,000	Min. Ultimate Str. (psi)	125,000
Tension		Efficiency		Bending	
Thread Str. (kips)	568	Internal Pressure (%)	100%	Build Rate to Yield (°/100 ft)	83.3
Min. Tension Yield (kips)	638	External Pressure (%)	100%	Yield Torque	
Min. Tension Ult. (kips)	725	Tension (%)	100%	Yield Torque (ft-lbs)	17,030
Joint Str. (kips)	568	Compression (%)	100%		
		Ratio of Areas (Cplg/Pipe)	1.23		

MAKEUP TORQUE			
Min. MU Tq. (ft-lbs)	6,470	Max. MU Tq. (ft-lbs)	12,940
		Running Tq. (ft-lbs)	See GBT RP
		Max. Operating Tq. (ft-lbs)*	16,180

Units: US Customary (lbm, in., °F, lbf)

1 kip = 1,000 lbs

* See Running Procedure for description and limitations.

See attached: Notes for GB Connection Performance Properties.

 GBT Running Procedure (GBT RP): www.gbtubulars.com/pdf/RP_GB_DWC_Connections.pdf

 Blanking Dimensions: www.gbtubulars.com/pdf/GB_DWC_Blanking_Dimensions.pdf

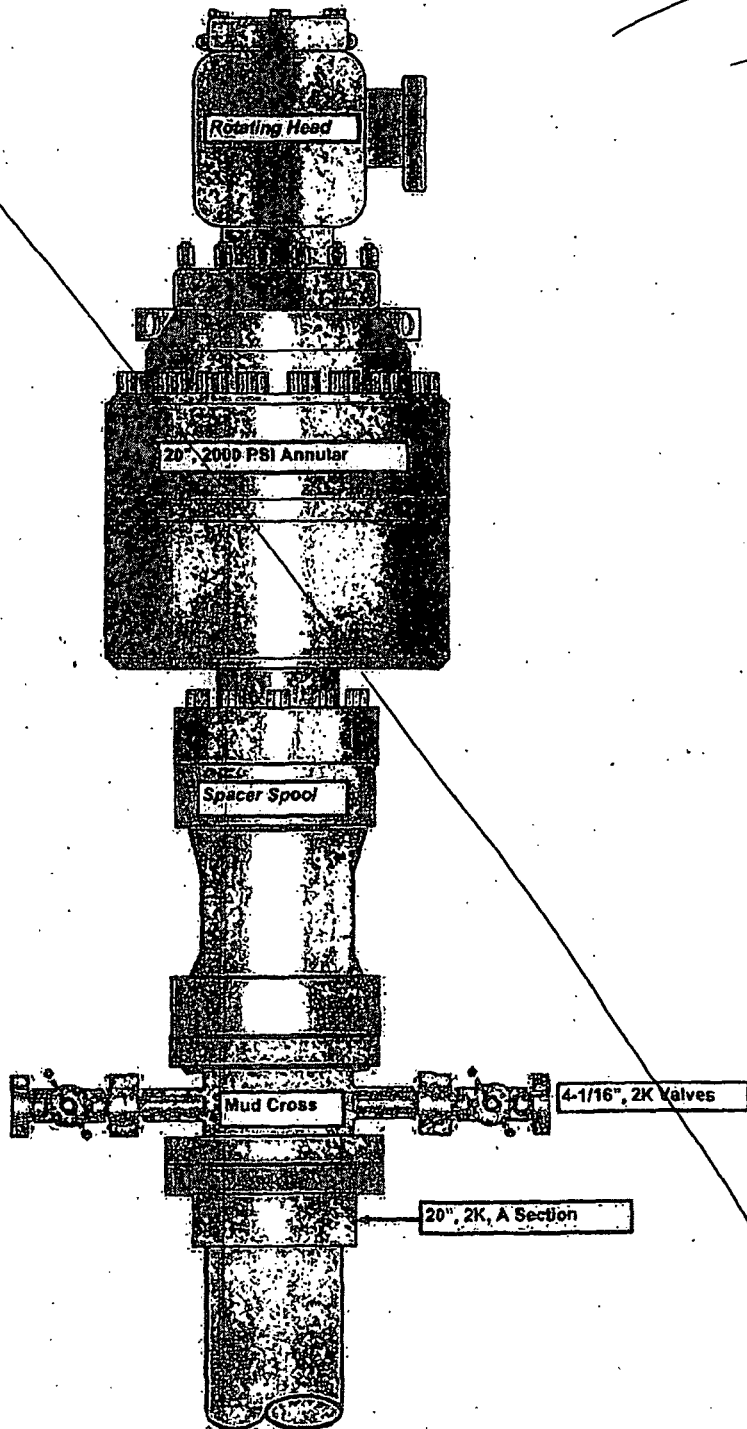
HOBBS OCD

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20" 2K Annular

Does Not Apply
Per Drilling
Program





QUALITY CONTROL	No.: QC-DB- 89 / 2011
Hose No.: 60313, 60314, 60315, 60316	Page : 1 / 54
	Revision : 0
	Date: 07. March 2011.
	Prepared by: <i>melany</i>
	Appr. by: <i>Yacq</i>

CHOKE AND KILL HOSES

id.: 3" 68,9 MPa x (25 ft) 7,62 m 1 pc
x (45 ft) 13,72 m 3 pcs

DATA BOOK

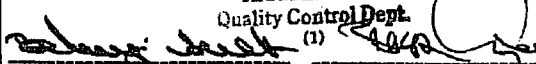
Purchaser:

Purchaser Order No.:

ContiTech Rubber Order No.: 493934

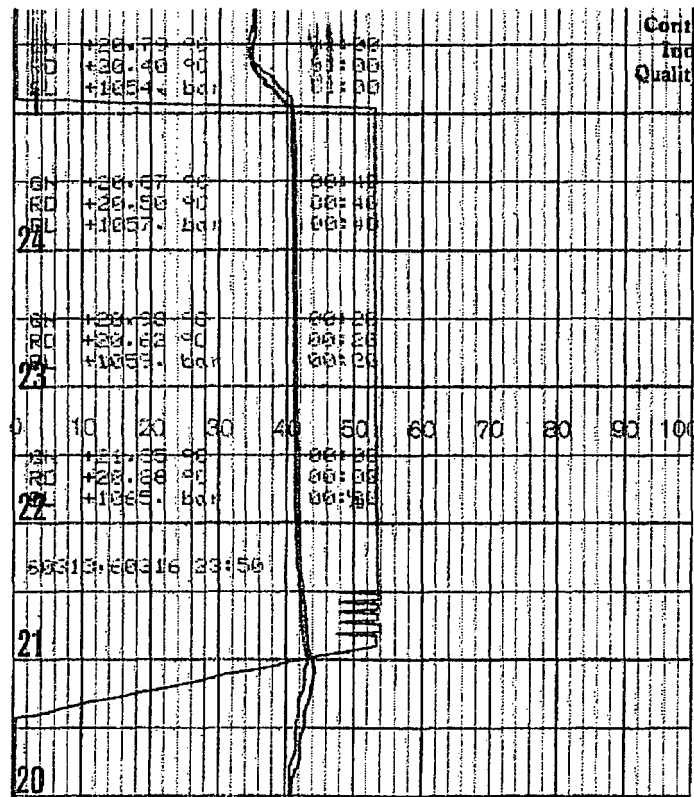
ContiTech Beattie Co. Order No.: 004795

ASSET 66-0638, 66-0639, 66-0640, 66-0641

QUALITY CONTROL INSPECTION AND TEST CERTIFICATE				CERT. N°: 246	
PURCHASER: ContiTech Beattie Co.				P.O. N°: 004795	
CONTITECH ORDER N°: 493934		HOSE TYPE: 3" ID Choke and Kill Hose			
HOSE SERIAL N°: 60313		NOMINAL / ACTUAL LENGTH: 7,62 m / 7,63 m			
W.P. 68,9 MPa 10000 psi		T.P. 103,4 MPa 15000 psi		Duration: 60 min.	
Pressure test with water at ambient temperature See attachment. (1 page) ↑ 10 mm = 10 Min. → 10 mm = 20 MPa					
COUPLINGS Type	Serial N°	Quality	Heat N°		
3" coupling with 4 1/16" Swivel Flange end Hub	324 320	AISI 4130	H0434		
		AISI 4130	31742		
		AISI 4130	B2297A		
ASSET NO.: 66-0638			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 INSPECTED AND PRESSURE TESTED AS ABOVE WITH SATISFACTORY RESULT.					
STATEMENT OF CONFORMITY: We hereby certify that the above items/equipment supplied by us are in conformity with the terms, conditions and specifications of the above Purchaser Order and that these items/equipment were fabricated inspected and tested in accordance with the referenced standards, codes and specifications and meet the relevant acceptance criteria and design requirements.					
COUNTRY OF ORIGIN HUNGARY/EU					
Date: 01. March 2011.	Inspector	Quality Control ContiTech Rubber Industrial Kft. Quality Control Dept. 			

Back

ContiTech Rubber
Industrial Kft.
Quality Control Dept.
(1)



CONTITECH RUBBER Industrial Kft.	No: QC-DB- 89 / 2011
	Page: 9 / 54



Hose Data Sheet

CRI Order No.	493934
Customer	ContiTech Beattie Co.
Customer Order No	PO4795, PBC10685
Item No.	3
Hose Type	Flexible Hose
Standard	API SPEC 16 C
Inside dia in inches	3
Length	25 ft
Type of coupling one end	FLANGE 4.1/16" 10KPSI API SPEC 17D SV SWIVEL FLANGEC/W BX155 ST/ST INLAID RING GR
Type of coupling other end	FLANGE 4.1/16" 10KPSI API SPEC 17D SV SWIVEL FLANGE C/W BX155 ST/ST INLAID RING GR
H2S service NACE MR0175	Yes
Working Pressure	10 000 psi
Design Pressure	10 000 psi
Test Pressure	15 000 psi
Safety Factor	2,25
Marking	USUAL PHOENIX
Cover	NOT FIRE RESISTANT
Outside protection	St. steel outer wrap
Internal stripwound tube	No
Lining	OIL RESISTANT
Safety clamp	Yes
Lifting collar	Yes
Element C	Yes
Safety chain	No
Safety wire rope	Yes
Max.design temperature [°C]	100
Min.design temperature [°C]	-20
MBR operating [m]	1,60
MBR storage [m]	1,40
Type of packing	WOODEN CRATE ISPM-15