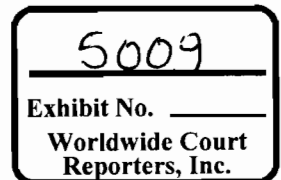


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APPENDIX 1 NEGATIVE TEST STATISTICS

Number of Rigs	9		(5 Brazil / 4GoM)
Total number of wells	24		Three of the 24 wells were completions with DHSVs
Number of wells with Neg test:	13		(4 in Brazil / 9 in GoM)
Number of wells w/o Neg test	11		All of these wells were in Brazil - 3 had DHSVs installed
Number of wells with Retainer	8		One well had three retainers installed with cement plugs on top. 7 of 13 wells that performed negative tests had bridge plugs or retainers installed. Two others were completions with plugs in the tubing hanger.
Lowest Differential	163	psi	(9.2 ppg brine in hole prior to test)
Average Differential	160	psi	
Tests with Base Oil	9		
Tests with Sea Water	3		
Test Down Drill Pipe	9		
Test Down C/K line	3		
Test Down Both	8		
Spacer Utilized	1		
No Spacer	1		
Maximum Depth BML	119	fee	Some of the data was missing and depth BML was interpolated from the test differential pressure
Minimum Depth BML	1	t	
Average Depth BML	-138	fee	Some of the data was missing and depth BML was interpolated from the test differential pressure
	156	t	Some of the data was missing and depth BML was interpolated from the test differential pressure



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REFERENCES

Transocean Fleet Rig Survey Information

- 1) DIN Negative Test Information.xls
- 2) DIN Negative Test Information ver PRR.xls
- 3) Displace Riser with Closed BOP.pdf
- 4) POA 31 - T&A Displacement.doc
- 5) Notes from TOI Fleet Response.doc
- 6) CES - Negative Test Information1 ver PRR.xls
- 7) CES - Scan of Driller's Instructions 21-Apr-10.pdf
- 8) CES - Seawater Displacement Procedure C1 Re-entry.doc
- 9) Negative Test Information CRLuigs ver PRR.xls
- 10) CRL Negative Test Procedure 1.pdf
- 11) CRL Negative Test Procedure 2.pdf
- 12) CRL Negative Test Procedure 3.pdf
- 13) DWD - Negative Test Information1 ver PRR.xls
- 14) Negative Test Information DCL ver PRR.xls
- 15) POA 29 Shutin and test SCSSV.doc
- 16) Negative Test Information DDS ver PRR.xls
- 17) DWM -Procedures.pdf
- 18) DWM -test data_0001.pdf
- 19) DWV - Negative Test Information ver PRR.xls
- 20) DWV - Cement plug 01 example.pdf
- 21) DWV - Cement plug 02 example.pdf
- 22) 710 - Negative Test Information1 ver PRR.xls

DWH Investigation Team Analysis

- 1) Composite Negative Test Information ver PRR.xls
- 2) MI-Swaco Riser Displacement Procedures – BP-HZN-MBI00133083, BP-HZN-MBI00170827
- 3) Stress Engineering Preliminary Findings
- 4) Transocean -- Memo BP Internal Investigation (2).pdf (*should have number already*)
- 5) John Rogers Smith, P.E., MMS Order No. M10PX00294: *Review of Operational Data Preceding Explosion on Deepwater Horizon in MC252*, Final Report July 1, 2010
- 6) E-mail 20April2010 and preceding emails , Hoggan, James L. to Lindner, Leo T.; BP-HZN-MBI00129043
- 7) *PLACEHOLDER Wes Bell Spread Sheet for fluid volumes pumped*

DWH Archived Files

- 1) NEGATIVE TEST.doc
- 2) NEGATIVE TEST 2.doc
- 3) Negative test dn dp.doc

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- 4) NEGATIVE TEST DOWN CHOKE LINE.doc
- 5) NEGATIVE TEST DOWN CHOKE LINE WITH PIPE ACROSS.doc
- 6) NEGATIVE TEST DOWN CHOKE LINE WITH PIPE ACROSS ver2.doc
- 7) NEGATIVE TEST USING BASE OIL.doc
- 8) NEGATIVE TEST WHILE DISPLACING.doc
- 9) Deepwater Horizon IADC Reports (insert dates)
- 10) Deepwater Horizon GMS Morning Reports (insert dates)

Witness Interviews

- 1) Lee Lambert – BP-HZN-MBI00021283
- 2) Robert Kaluza – BP-HZN-MBI00021237, 1238, 1272, 1273, 1276
- 3) Brian Morel – BP-HZN-MBI00021304

Witness Testimony USCG/BOEM Hearings

- 1) Leo Lindner –
- 2) John R. Smith, P.E.-

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