

From: Haffle, Mark E

Sent: Mon Apr 20 20:32:23 2009

To: Haffle, Mark E; Fleece, Trent J; Gai, Huawen; Lirette, Nicholas J; Shaughnessy, John M.; Morel, Brian P; Burns, Tim A; Bondurant, Charles H; Scherschel, Craig; Charles, Donald; Nguyen, Binh Van; Casler, Christopher; Darby, Chad M (Mullen); Cocalles, Brett W; Daigle, Keith G; Albertin, Martin L.; Searcy, Tomieka; Bellow, Jonathan M; Depret, Pierre-Andre ; Gansert, Tanner; Simmons, Stephanie A (Frontline Group)

Cc: Sims, David C; Wilson, Gabe S (Frontline Group); Peijs, Jasper

Subject: Macondo Well Design Peer Assist

Importance: Normal

Attachments: Macondo_MC 252 #1 Schematic 040609_RevC.xls; Macondo_MC 252 #1

Schematic 050209_Rev0_DEFINE.xls

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Schematic 050209_Rev0_DEFINE.xls

All,

I have added to the list of invited attendees and attached the updated BOD created from the final PP/FG prediction.

Regards,
Mark

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All,

I would like to present the proposed well design for the upcoming Macondo prospect (MC 252 #1) for your input and comments.

This well is scheduled to be drilled with the Marianas rig, following the current Nakika H-2 drilling and completion operation.

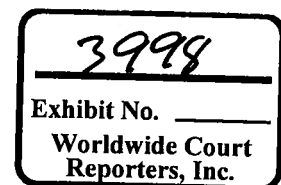
This is an ILX prospect (very similar to the recent Isabela and Santa Cruz prospects), that is being drilled as a keeper well, for future completion and tieback to one of our existing facilities (possibly Pompano)

Attached is the preliminary BOD for the well.

Please let me know if you will be able to attend.

Regards,

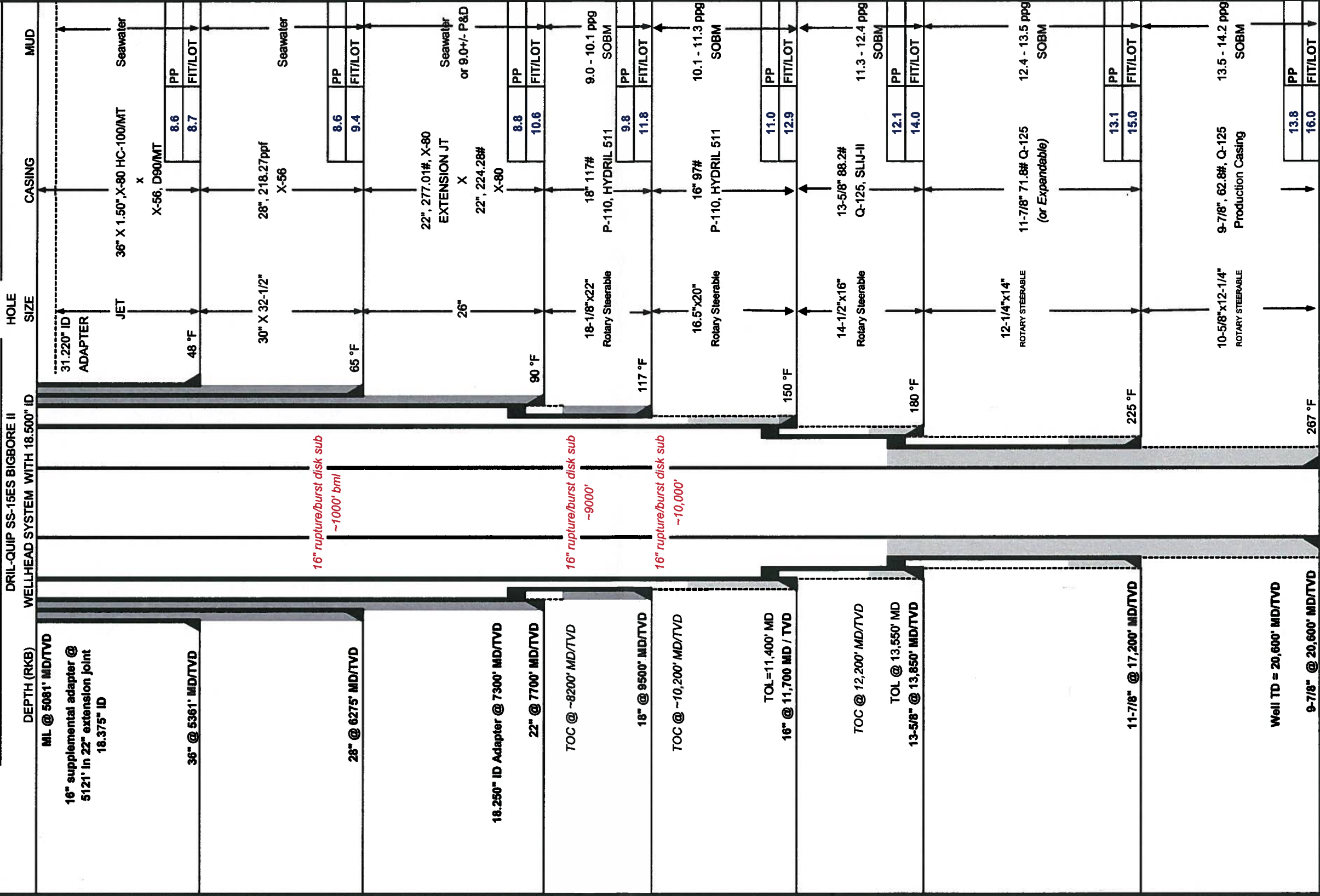
Mark Haffle
Drilling Engineer
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BP GoM Deepwater Exploration
Macondo Prospect (Preliminary BOD 4/6/09)

OPERATOR: BP PARTNER: MC 252 #1, MACONDO PROSPECT, OCS-G-32306 DATE: 4/6/2009_Rev C
WELL NAME: WILDCAT AREA: OFFSHORE STATE LA RF ELEV: 89' (Marianas) WD: 4992'
SURFACE LOCATION: X=1,202,803.88 Y=10,431,617.00 PBHL: X=1,202,803.88 Y=10,431,617.00
OBJECTIVE ZONE(S): M56 RIG: Transocean Marianas



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Macondo Prospect (Basis of Design)

DRIL-QUIP SS-15ES BIGBORE II	HOLE
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DEPTH (RKB)	WELLHEAD SYSTEM WITH 18.500" ID	SIZE	CASING	MUD
ML @ 5081' MD/TVD				
16" supplemental adapter @ ~5121' in 22" extension joint 18.375" ID		31.220" ID ADAPTER		
36" @ 5361' MD/TVD (280' bml)		JET	36" X 1.50", X-80 HC-100/MT X X-56, D90/MT	Seawater
		48 °F	8.6 8.7 PP FIT/LOT	
TOC @ ~ 5081' MD/TVD (Mudline)		30" X 32-1/2"	28", 218.27ppf X-56	Seawater
28" @ 6275' MD/TVD (1194' bml)	16" rupture/burst disk sub ~1000' bml	65 °F	8.6 9.8 PP FIT/LOT	
TOC @ ~ 5081' MD/TVD (Mudline)		26"	22", 277.01#, X-80 EXTENSION JT X 22", 224.28# X-80	Seawater or 11.5+/- P&D
18" supplemental adapter @ ~ 7600' 18.250" ID		94 °F	9.3 11.1 PP FIT/LOT	
22" @ 8000' MD/TVD (2919' bml)	16" rupture/burst disk sub ~9000'	18-1/8"x22" Rotary Steerable	18" 117# P-110, HYDRIL 511	9.0 - 10.6 ppq SOBM
TOC @ ~8900' MD/TVD		122 °F	10.4 12.3 PP FIT/LOT	
18" @ 9900' MD/TVD (4819' bml)	16" rupture/burst disk sub ~10,400'	16.5"x20" Rotary Steerable	16" 97# P-110, HYDRIL 511	10.6 - 11.5 ppq SOBM
TOC @ ~11,000' MD/TVD		154 °F	11.3 13.4 PP FIT/LOT	
TOL @ ~11,700' MD 16" @ 12,000 MD / TVD (6919' bml)		14-1/2"x16" Rotary Steerable	13-5/8" 88.2# Q-125, SLIJ-II	11.5 - 12.6 ppq SOBM
TOC @ ~13,000' MD/TVD		182 °F	12.4 14.3 PP FIT/LOT	
TOL @ ~13,700' MD 13-5/8" @ 14,000' MD/TVD (8919' bml)		12-1/4"x14" ROTARY STEERABLE	11-3/4", 71.0, VM50 Monobore Expandable	12.6 - 13.5 ppq SOBM
TOC @ ~16,000' MD/TVD		222 °F	13.3 15.2 PP FIT/LOT	
11-7/8" @ 17,000' MD/TVD (11,919' bml)		12-1/4" ROTARY STEERABLE	Potential 9-7/8", 62.8#, TBD Production Casing	13.5 - 14.6 ppq SOBM
TOC @ ~13,000' MD/TVD				
Well TD = 20,200' MD/TVD				
Potential : 9-7/8" @ 20,200' MD/TVD				