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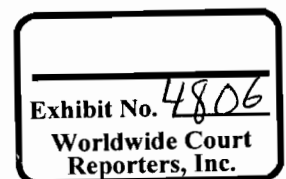
**Sent:** Friday, February 26, 2010 6:27 AM

**To:** Deepwater Horizon Performance Coordinator; Arcos, Renato A (LANDMARK GRAPHICS CO.); DWH, AsstDriller (Deepwater Horizon); Barret Miles; Bennett, Gord (QO Inc.); Brad Hardy; Doyle Maxie; DWH, Driller (Deepwater Horizon); DWH, OIM (Deepwater Horizon); DWH, Toolpusher (Deepwater Horizon); Deepwater Horizon, Formen; gregmeche@yahoo.com; Guide, John; Hafle, Mark E; John B Lebleu (M I Drilling Fluids; Jones, David B (HLE); Daigle, Keith G; Lacy, Stuart C (QO Inc.); Lirette, Nicholas J; Lisa LeBlanc; Maxie, Doyle W (MI SWACO); Morel, Brian P; Deepwater Horizon, Mud Eng; Norman Gauthreaux; Ricci, Dave N; Robert Mercer; Sims, David C; Smith JR; Tab Haygood (MI; Tim Armand; Armand, Tim J; Wendy Bush

**Subject:** BP Horizon Mud Report 2-25-2010



Mud Report  
2-25-2010.pdf



CONFIDENTIAL

TRN-MDL-01577370

**SYNTHETIC-BASED MUD REPORT No. 26**

**Operator :** BP Exploration  
**Report For :** D.Vidrine/E. Lee  
**Well Name :** MACONDO  
**Contractor :** Transocean  
**Report For :** R. Ryan

**Field/Area :** MC 252 #1  
**Description :** OCS-G 32306  
**Location :** MC 252 #1  
**Water Depth :** 4992 ft  
**Rig Name :** Horizon

**Depth/TVD :** 12350 ft / 12350 ft  
**Date :** 2/25/2010  
**Spud Date :**  
**Mud Type :** Rheliant  
**Activity :** WASHING DOWN

DRILLING ASSEMBLY	CASING (*TVD)	MUD VOLUME (bbl)		CIRCULATION DATA		
9157 ft, 6.625-in DP 892 ft, 6.625-in HWDP 34 ft, 8.125-in Jars 108 ft, 8.25-in DC 16 ft, 9.5-in Stab 98 ft, 9.625-in DC Nozzles 14x7 1/32" Bit 20-in Rock Bit	22-in @8001 ft (8001 TVD) 18-in L @8969 ft (8969 TVD)	Hole 4297	Active Pits 1511	Pump Make EMSCO 2200	EMSCO 2200	EMSCO 2200
		Total Circulating Volume 5052		Pump Liner x Stk 6x15 in	6x15 in	
		Depth Drilled Last 24hr ft		Pump Capacity gal/stk 5.342	5.342	
		Volume Drilled Last 24hr bbl		Pump stk/min 75@97%	0@97%	
				Flow Rate 401 gal/min		
				Pump Pressure 1041 psi		
				Bottoms Up 256.8 min	25600 stk	
				Total Circulation 367.1 min	39686 stk	

MUD PROPERTIES					PRODUCTS USED Last 24 hr		
Sample From	Flowline 21:30	0:00	0:00	Active 14:00	Products	Size	Amount
Flowline Temp	*F 48			NA	ENGINEERING SERVICE	1. EA	2
Depth/TVD	ft 12350/12349	/	/	12350/12349	NAFROC COMPLIANCE ENGINEERING EA		1
Mud Weight	lb/gal 11.2@48	.0@	.0@	11.2@60	M-I BAR BULK	1. TN BK	19
Funnel Viscosity	s/qt 78			78	SUREMUL	1. GA	550
Rheology Temp	*F 150	100	40	150	SYNTHETIC B	1. GA	7686
R600/R300	49/33	54/34	99/57	52/35	G-SEAL PLUS	25. KG BG	181
R200/R100	27/19	27/19	41/26	27/19	BLOK R 750	50. LB BG	16
R6/R3	11/10	10/9	9/8	10/9	CALCIUM CARBONATE 30-3	1. LB	9000
PV	cP 16	20	42	17	SAFE-CARB 250	1. LB	9000
YP	lb/100ft <sup>2</sup> 17	14	15	18			
10s/10m/30m Gel	lb/100ft <sup>2</sup> 18/23/27	15/22/	13/19/	17/22/28			
API Fluid Loss	cc/30min						
HTHP Fluid Loss	cc/30min 2.4@250	.0@	.0@	2.4@250			
Cake APT/HT	1/32" -/1	/	/	-/1			
Unc Ret Solids	%Vol 17			18			
Correct Solids	%Vol 16.01			16.83			
Synthetic	%Vol 58			58			
Uncorr Water	%Vol 25			24			
Synthetic/Water Ratio	70/30	/	/	71/29			
Alkal Mud (Psm)	1.8			1.9			
Cl- Whole Mud	mg/L 31000			32000			
Salt	%Wt 16.25			17.26			
Lime	lb/bbl 2.34			2.47			
Emul Stability	394			529			
Current Angle	degrees						
MWD Tool Temp	deg F						
PWD ECD	ppg						
Riser Boost	gpm						
LC50/Lepto	Y/N						
Calib Scales	Y/N Yes			Yes			
SST	ppb 6			6			
PPT	spurt/ml 2/10.4			2/10.4			
Reserve Volume	bbl 7555						
REMARKS AND TREATMENT					REMARKS		
MISwaco Man Hours: 60 Cumulative Man Hours: 1344 Start Cards:3 Cumulative Start Cards: 25 Max bbls discharged per hour: 1 bbls 15 bbls lost on retention from Form-A-Set and Form-A-Squeeze returns. Started to increase LCM concentration with 9 big bags LCM (GSeal, 250, 30/50) at salt hopper. 420 pph at the hopper with Blok R and GSeal Plus. 200 pounds lime every hour-treatment of Suremul followed by Surewet.					Finished BOP test. TIH to 8,770' and slowly staged pumps up. Flow checked-no flow. Staged up again to 76 stks a minute-400 gpm. BU from 8770-ES dropped to 265, lime down to 1.4, and retort showed .5% increase in H2O. 1% increase in H2O at 9300' BU. Wash down and circulate every 500 ft. Wash to 10433' at report time.		
TIME DISTRIBUTION Last 24 hrs		MUD VOL ACCTG (bbl)		SOLIDS ANALYSIS		RHEOLOGY & HYDRAULICS	
Rig Up/Service		Synthetic Added	123	Salt Wt%	16.25	np/na	0.570/0.183
Drilling		Water Added		Salt Conc	16.99	Kp/Ka	1.005/7.916
Tripping	16	Mud Received		Adjusted Solids	15.88	Bit Pressure Loss/%	150 / 14.4
Non-Productive Time		Mud Returned		Synthetic/Water Ratio	70/30	Bit HHP/HSI	35 / 0.1
BOP Testing	8	Shakers		Average SG Solids	3.7	Jet Velocity	122
Condition Hole		Centrifuge		Low Gravity %	4.9	Va Pipe	27.6
Monitor Well		Formation		Low Gravity Wt.	45.02	Va Collars	32
Displacement		Left in Hole		High Gravity %	10.9	Cva Pipe	265
		Adjustment		High Gravity Wt.	160.64	Cva Collars	272
		Cuttings Retention	18			ECD at Shoe	11.28
		Displacement				ECD at TD	11.28
		Running Casing					
		Cementing					
		Left Behind Pipe					
		Tripping					
		Boat Tank Bottoms					
M-I ENGR / PHONE L. Lindner/G. Jones 0 G. Meche		RIG PHONE (281)366-7749		WAREHOUSE PHONE 800-391-3147		DAILY COST [REDACTED]	
						CUMULATIVE COST [REDACTED]	



Operator :	BP Exploration
Well Name:	MACONDO

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MUD IN HOLE (bbls)				
MUD IN HOLE:	ANNULUS	PIPE	BELOW BIT	TOTAL
Total Hole Volume	3259	283	756	4298
Volume Not Mud				
Mud Volume	3259	283	756	4298

VOLUME BALANCE (bbls)					LOSS BREAKDOWN (bbls)	
IN/TO:	ACTIVE	RESERVE	PREMIX	TOTAL	Shakers	
					Centrifuge	
Start Volume	5597	7641		13238	Formation	
Oil Added	123			123	Left in Hole	
Water Added					Adjustment	
Vol Chem Added	20			20	Cuttings Retention	18
Chem Not For Mud					Displacement	
Total Volume Built	143			143	Running Casing	
Received					Cementing	
Return					Left Behind Pipe	
From Active To						
From Reserve To	86					
From Premix To						
Daily Loss	18			18		
Final Volume	5808	7555		13363	Total Loss	18



## WELLSITE CHEMICAL INVENTORY

### Daily Report

Operator : BP Exploration  
Well Name : MACONDO  
Location: MC 252 #1

Date : 2/25/2010  
Report No: 26  
Page 1

Cost Summary											
Total Daily Cost:									Total Daily Tax:		
Cumulative Cost:											
Product	Unit Size	Unit Price	Start Amt	Daily Used	Cum Used	Daily Rec'd	Cum Rec'd	Daily Return	Cum Return	Final Stock	Daily Cost
BLOK R 750	50. LB BG		456	16	365		600			440	
CALCIUM CARBONATE 30-50	50. LB BG		399		273		300			399	
CALCIUM CARBONATE 30-50	1. LB		18000	9000	42000		51000			9000	
CALCIUM CHLORIDE POWDER	50. LB BG		91							91	
CAUSTIC SODA	50. LB BG										
CLEAN-UP	1. GA										
DEFOAM X	5. GA CN		9		3					9	
DEUTERIUM OXIDE	20. KG CN										
DUO-VIS	25. LB BG										
DUO-VIS	25. KG BG		88		17		70			88	
ECOTROL RD	25. KG BG		24							24	
ENGINEERING SERVICE	1. EA			2	54						
FORM-A-SET AK	25. LB BG		375		341		500			375	
FORM-A-SET AK	47. LB BG		36							36	
FORM-A-SET RET	5. GA CN		48							48	
FORM-A-SET XL	12. GA CN		32		35		45			32	
FORM-A-SQUEEZE	40. LB BG		120		700		820			120	
G-SEAL PLUS	25. KG BG		486	181	1122		1137			305	
GCMS TESTING	1. EA										
KWIK SEAL COARSE	40. LB BG		169		98		187			169	
KWIK SEAL FINE	40. LB BG										
KWIK SEAL MEDIUM	40. LB BG		248		90		288			248	
LIME	50. LB BG		572		528		500			572	
LIQUID MUD SYSTEM	1. BL										
M-I BAR BULK	1. TN BK		577	19	627		1185			558	
M-I GEL	100. LB BG		5							5	
MIXING CHARGE	1. EA										
MIXING CHARGE WBM	1. EA										
MYACIDE GA25	5. GA CN		2							2	
NAFROC COMPLIANCE ENGINEERING				1	25						
PAD MUD (WATERBASE)	0. BL BL										
POLYPAC UL	50. LB BG										
RHEBUILD	1. GA		415							415	
RHEDUCE	1. GA		1160							1160	
RHEFLAT	1. GA		684							684	
RHELIANT SYSTEM	1. BL		13501		4500		18001			13501	
RHETHIK	1. GA		1321		60					1321	
SAFE-CARB 250	1. LB		15000	9000	45000		51000			6000	
SAFE-CARB 250	50. LB BG		86		415					86	
SAFE-CARB 40	1. LB										
SAFE-CARB 40	50. LB BG		240		120		240			240	
SAFE-COR	55. GA DM		1							1	
SAFE-SCAV CA	15. LB BG		2							2	
SAFE-SOLV OM	55. GA DM		1		1					1	
SAFE-SOLV OM	1. GA		550				550			550	
SAFE-SURF O	1. GA		764		550					764	
SAFE-SURF O	55. GA DM		1				1			1	
SPERSENE	50. LB BG										
SULFATREAT DFS	50. LB BG										
SUPER SATURATED SALT MUD	1. BL										

## WELLSITE CHEMICAL INVENTORY

## Daily Report

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Page 2

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