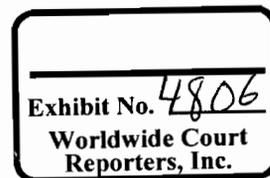


**From:** Jones, Gordon L (MI SWACO) [Gordon.Jones@bp.com]  
**Sent:** Friday, February 26, 2010 6:27 AM  
**To:** Deepwater Horizon Performance Coordinator; Arcos, Renato A (LANDMARK GRAPHICS CO.); DWH, AsstDriller (Deepwater Horizon); Barret Miles; Bennett, Gord (QO Inc.); Brad Hardy; Doyle Maxie; 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





# 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<br>892 ft, 6.625-in HWDP<br>34 ft, 8.125-in Jars<br>108 ft, 8.25-in DC<br>16 ft, 9.5-in Stab<br>98 ft, 9.625-in DC<br>Nozzles 14x7 1/32"<br>Bit 20-in Rock Bit | 22.-in @8001 ft (8001 TVD)<br>18.-in L @8969 ft (8969 TVD) | Hole<br>4297                     | Active Pits<br>1511 | Pump Make<br>EMSCO 2200        | EMSCO 2200 | EMSCO 2200 |
|   |  | Total Circulating Volume<br>5052 |                     | Pump Liner x Stk<br>6x15 in    | 6x15 in    |            |
|   |  | Depth Drilled Last 24hr<br>ft    |                     | Pump Capacity gal/stk<br>5.342 | 5.342      |            |
|   |  | Volume Drilled Last 24hr<br>bbl  |                     | Pump stk/min<br>75@97%         | 0@97%      |            |
|   |  |                                  |                     | Flow Rate<br>401 gal/min       |            |            |
|   |  |                                  |                     | Pump Pressure<br>1041 psi      |            |            |
|   |  |                                  |                     | Bottoms Up<br>256.8 min        | 25600 stk  |            |
|   |  |                                  |                     | Total Circulation<br>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-            | 1. LB      | 9000   |
| PV                    | cP 16              | 20     | 42     | 17           | SAFE-CARB 250                    | 1. LB      | 9000   |
| YP                    | lb/100ft² 17       | 14     | 15     | 18           |                                  |            |        |
| 10s/10m/30m Gel       | lb/100ft² 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           | Brandt Shale Shaker              | 40/165/165 | 16.0   |
| Synthetic/Water Ratio | 70/30              | /      | /      | 71/29        | Brandt Shale Shaker              | 40/165/165 | 16.0   |
| Alkal Mud (Psm)       | 1.8                |        |        | 1.9          | Brandt Shale Shaker              | 40/165/165 | 16.0   |
| Cl- Whole Mud         | mg/L 31000         |        |        | 32000        | Brandt Shale Shaker              | 40/165/165 | 16.0   |
| Salt                  | %Wt 16.25          |        |        | 17.26        | Brandt Shale Shaker              | 40/165/165 | 16.0   |
| Lime                  | lb/bbl 2.34        |        |        | 2.47         | Brandt Shale Shaker              | 40/165/165 | 16.0   |
| Emul Stability        | 394                |        |        | 529          | Brandt Shale Shaker              | 40/165/165 | 16.0   |
| Current Angle         | degrees            |        |        |              | Mud Cleaner                      |            |        |
| MWD Tool Temp         | deg F              |        |        |              | 5500 Centrifuge                  |            |        |
| PWD ECD               | ppg                |        |        |              | Verti g Dryer                    |            |        |
| Riser Boost           | gpm                |        |        |              | 75 HP Vacuum Unit                |            |        |
| 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 27.5                   |
| 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                  | RIG PHONE     | WAREHOUSE PHONE | DAILY COST | CUMULATIVE COST |
|-----------------------------------|---------------|-----------------|------------|-----------------|
| L. Lindner/G. Jones 0<br>G. Meche | (281)366-7749 | 800-391-3147    |            |                 |





# 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:             |            |            | [REDACTED] |            |          |             |           |              | Total Daily Tax: |             |            |
| Cumulative Cost:              |            |            | [REDACTED] |            |          |             |           |              |                  |             |            |
| 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         |            |
| RHELLANT 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      |            |            |            |          |             |           |              |                  |             |            |

