
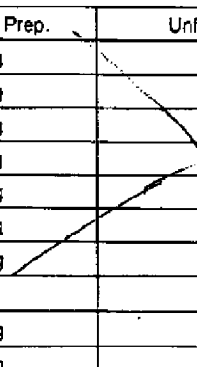


Cement Lab Weigh-Up Sheet, Apr 17, 2010 - Req/Slurry: US-73909/1					 <small>'00150924'</small>		
Request Id	73909	Rig	TRANSOCEAN HORIZON	Engineer	Jesse Gagliano		
Slurry No.	1	Customer	BP	Request Type	Operation		
Job	Production Casing	Well	Mississippi Canyon 252	Request Date	12.04.2010		
Pipe Size	7	Location	Mississippi Cny	Required By	13.04.2010		
Hole Size	9.875	Slurry Type	Primary	TradeMark			
Plant Name	Fourchon-C-Port I, La.			Slurry Name			
Test Conditions							
BHST	99 °C / 210 °F	Batch Mix	0 min	MD	5596 m / 18360	Pressure	997 bar / 14458 psi
BHCT	57 °C / 135 °F	Heating time	83 min	TVD	5596 m / 18360	Mud Density	1.69 SG / 14.1 PPG
Slurry Details							
Density	2.006 S.G.	Water Req.	43.84 L/100kg	Yield	90.77 L/100kg	Total liquid	44.55 L/100kg
	16.741 PPG		4.94 gal/sack		1.37 ft ³ /sack		5.02 gal/sack
Pycnometer	35.000 %	Chloride conc.	N/A	Blend Weight	908.98 g	Sack Weight	94.00 lbs
Materials							
Concentration	Lab	Material	Test Amount	Source	Lot No.	Date	Sample Id
100.00 % BWOC	(US-LFT)	Lafarge Class H	680.96 g	TRANSOCEAN	Tank # 8	05.04.10	67314
0.070 % BWOC	(US-LFT)	EZ-FLO	0.40 g	TRANSOCEAN		05.04.10	67314
0.250 % BWOC	(US-LFT)	D-Air 3000	1.66 g	TRANSOCEAN		05.04.10	67314
1.880 lb/sk	(US-LFT)	KCl (Potassium Chloride)	15.22 g	TRANSOCEAN		05.04.10	67314
20.000 % BWOC	(US-LFT)	SSA-1 (Silica Flour) - PB	132.20 g	TRANSOCEAN		05.04.10	67314
15.000 % BWOC	(US-LFT)	SSA-2 (100 Mesh) - PB	99.45 g	TRANSOCEAN		05.04.10	67314
0.200 % BWOC	(US-LFT)	SA-541	1.32 g	TRANSOCEAN		05.04.10	67314
0.110 gps	(US-LFT)	ZoneSealant 2000	6.88 g	Morgan City, La.		15.03.09	40395
0.080 gps	(US-LFT)	SCR-100L	5.45 g		6264	22.10.09	54573
4.94 gps	(US-LFT)	Fresh Water <i>Pipettes</i>	289.18 g				
Foam Details							
Final Foam Density	1.737 S.G.	Calc. Downstream Density	1.996 S.G.	Blender volume	1170 ml	Quality	12.98 %
	14.496 PPG		16.657 PPG				
Base Slurry Weight	2020.74 g	Base Slurry Total Weight	2032.29 g				
Foam Mixing							
<i>Foam Stability Report</i>							
Lab	Material	Unfoamed Slurry Prep.	Unfoamed Slurry				
(US-LFT)	Lafarge Class H	1220.70 g	  1678.69 				
(US-LFT)	EZ-FLO	0.85 g					
(US-LFT)	D-Air 3000	3.05 g					
(US-LFT)	KCl (Potassium Chloride) Salt	24.41 g					
(US-LFT)	SSA-1 (Silica Flour) - PB	244.14 g					
(US-LFT)	SSA-2 (100 Mesh) - PB	183.10 g					
(US-LFT)	SA-541	2.44 g					
(US-LFT)	ZoneSealant 2000						
(US-LFT)	SCR-100L	10.06 g					
(US-LFT)	Fresh Water	534.05 g					
Test Results							
Mixability (0 - 5) - 0 is not mixable				Mud Balance Density			
Mixability rating (0 - 5)				Density (SG)		Density (ppg)	
5				16.7		16.7	

Repeat

Foam Mix and Stability (Repeat Foamed to 14.5 ppg) at 180 deg F															
Sink (mm)	Time to Foam	Average Mix	Foam Density (SG)	SG top	SG bot.	Conditioning time									
	6.5 sec			1.8	1.797	3 HRS									
Foam Mix and Stability (Foamed to 14.5 ppg) 215A 4/16/10 Heat #2 @ 180															
Sink (mm)	Time to Foam	Average Mix	Foam Density (SG)	SG top	SG bot.	Conditioning time									
				1.88	1.82	01:30									
Thickening Time (Need 4 1/2 - 5 1/2 Hrs., SCR-100L Lot #6264) at 135 deg F															
Temp (°F)	Pressure	Batch Mix	Reached	Start BC	30 Bc	40 Bc	50 Bc	70 Bc	100 Bc	Terminatio	Terminatio				
135	14458		83	8				05:30							
UCA Comp. Strength (Un-foamed UCA for 12, 24, & 48 Hrs. Circulate before pouring C.S. for 3 Hrs) at 210 deg F															
End Temp	Pressure	50 psi	500 psi	8 hr CS	12 hr CS	16 hr CS	24 hr CS	48 hr CS	End CS	End Time	Crush CS				
210	14458	05:54	06:19		2143		2526	2641							
Crush Compressive Strength (12, 24, & 48 Hrs Crush, Foamed to 14.5 ppg) at 210 deg F															
Condition	Curing	Curing	Time 1	Strength 1	Time 2	Strength 2	Time 3	Strength 3	Time 4	Strength 4	Foam				
	180		12	0	24	0	48	1590			0				
Non API Rheology at 80 deg F															
Test temp	600	300	200	100	60	30	20	10	6	3	Condition				
80	180	84	56	28	26	8	6	4	2	2					
Non API Rheology at 135 deg F															
Test temp	600	300	200	100	60	30	20	10	6	3	Condition				
135	130	56	40	20	12	8	6	4	4	2					
FYSA Viscosity Profile & Gel Strength (Foamed to 14.5 ppg) at 80 deg F															
Test	600	300	200	100	60	30	6	3	3D-3	6D-6	Condit	Gel 10	Gel 30	K1	K2
80															
Request/Project Comments															
Use location Blend and Rig water in lab Use SCR-100L LOT#:6264															
Required Tests															
Test Id	Test Type			Test Temp (F)	Conditions / Req. Properties										
806067	Thickening Time			135	Need 4 1/2 - 5 1/2 Hrs., SCR-100L Lot #5264										
806068	UCA Comp. Strength			210	Un-foamed UCA for 12, 24, & 48 Hrs. Circulate before pouring C.S. for										
806069	Crush Compressive Strength			210	12, 24, & 48 Hrs Crush, Foamed to 14.5 ppg										
806071	Mixability (0 - 5) - 0 is not mixable														
* 806072	Foam Mix and Stability				Foamed to 14.5 ppg										
813603	Foam Mix and Stability			180	Repeat Foamed to 14.5 ppg										
806074	FYSA Viscosity Profile & Gel Strength			80	Foamed to 14.5 ppg										
806075	Non API Rheology			80											
806076	Non API Rheology			135											
806078	Mud Balance Density														
Slurry Specific Comments															
Use location Blend and Rig water in lab Use SCR-100L LOT#:6264															

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SCAN SAMPLES (Scan Weigh-up sheet to finish)

Slurry Id	00150924	Restart Weigh-up	Out of Stock	Stock Count	Database Connected	Barcode Open	Scale Open
Request Id	73909	Rig	TRANSOCEAN	Engineer	Jesse Gagliano		
Slurry No	1	Customer	BP	Request Type	Operation		
Job	Production Casing	Well	Mississippi Canyon 252	Request Date	12.04.2010		
Pipe Size (in)	7	Field		Required By	13.04.2010		
Hole Size (in)	9.875	Slurry Type	Primary	Trademark			
		Slurry Name					

Concentration	Lab	Material	Test Amount	Actual Amount	Source	Lot No	Date	Sample Id
100.00 % BWOC	(US-LFT)	Lafarge Class H	908.98 g	1078.09 g	TRANSOCEAN F	Tank # 8	05. APR 2010	0000067314
0.07 % BWOC	(US-LFT)	EZ-FLO			TRANSOCEAN F		05. APR 2010	0000067314
0.25 % BWOC	(US-LFT)	D-Air 3000			TRANSOCEAN F		05. APR 2010	0000067314
1.88 lb/sk	(US-LFT)	KCl (Potassium Chloride) S&B			TRANSOCEAN F		05. APR 2010	0000067314
20.00 % BWOC	(US-LFT)	SSA-1 (Stirca:Flour) - PB			TRANSOCEAN F		05. APR 2010	0000067314
15.00 % BWOC	(US-LFT)	SSA-2 (100-Mesh) - PB			TRANSOCEAN F		05. APR 2010	0000067314
0.20 % BWOC	(US-LFT)	SA-541			TRANSOCEAN F		05. APR 2010	0000067314
0.11 gps	(US-LFT)	Zone-Sealant 2000	6.88 g	11.96 g	TRANSOCEAN F		05. APR 2010	0000067314
0.08 gps	(US-LFT)	SCR-100L	5.45 g	10.05 g	TRANSOCEAN F		05. APR 2010	0000067314
4.94 gps	(US-LFT)	Field(Fresh) Water	289.18 g	534.03 g	TRANSOCEAN F	6264	15. MAR 2009	0000040395
							22. OCT 2009	0000054573
							05. APR 2010	0000067316



Z FOAM

Exit program	About	PC ID	ENAU/S00040470	Scale Id	100000000057	Manual Barcode Entry
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