

<b>Report #</b>	44	<b>Date</b>	10/8/2013	<b>Report by</b>	ALMIR FREITAS / BRANDON
<b>Contractor:</b>	PERENCO			<b>Well:</b>	DENDE-4
<b>Report for:</b>	WILL PECHIE / GLADSTON			<b>Field:</b>	BASIN ESPIRITO SANTO
<b>Mud Engineers:</b>	JODY/RODRIGO			<b>Location:</b>	OCEAN STAR SS-170
<b>Rig Operator:</b>	BRASDRILL			<b>Activity:</b>	PUXANDO RISER
<b>Report for:</b>	WILL PECHIE / GLADSTON			<b>Type of Fluid:</b>	RHELIANT

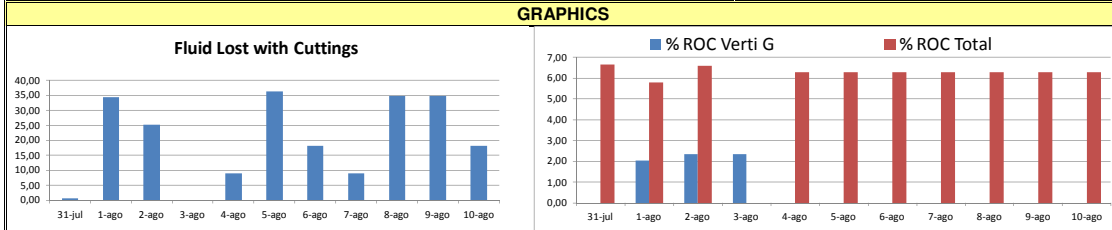
<b>Bit Size w/ Washout (in)</b>	12 1/4	<b>Percent Washout (%)</b>	10	<b>Total Depth (m)</b>	4989	<b>Vertical Depth (m)</b>	4989	<b>Flow Rate (gpm)</b>		<b>Daily Drilled Depth (m)</b>	
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Shakers Report				Centrifuge Report				Fluids Properties			
<b>Shaker # 1</b>				<b>Centrifuge</b>							
MW IN (ppg)		MW OUT (ppg)		Flow IN (gpm)	50	Feed Location	TANK 6	Mud Weight:	10.4	ppg	
<b>SCREEN</b>	<b>MESH</b>	<b>Daily Hours</b>	<b>Cum. Hours</b>	MW IN (ppg)	10.4	Discharge Location	TANK 6	Funnel Viscosity:	71	s/g	
Top			364	MW RETURN (ppg)	9.4	RETURN FLOW (gpm)	45	Plastic Viscosity:	14	cp	
Middle			364	MW DISCHARGE (ppg)	20	DISCHARGE FLOW (gpm)	5	Yield Point:	27	lb/ft2	
Bottom			364	% Solids on Discharge	88.5	% Oil on Discharge	6.3	Chlorides:	47000	mg/l	
<b>Shaker # 2</b>											
MW IN (ppg)		MW OUT (ppg)		% Water on Discharge	5.2	Hours Operating	12	% LGS:	5.2		
<b>SCREEN</b>	<b>MESH</b>	<b>Daily Hours</b>	<b>Cum. Hours</b>	% HGS:	8.2			% H <sub>2</sub> O:	30		
Top				% Oil:	0.7			Drilling Hours:			
Middle								Tripping Hours:			
Bottom								Other Activities:	24		

Retorts Report									
MW IN (ppg)		MW OUT (ppg)		SCE #1	SCE #2	VERTI G 1	VERTI G 2	CENT 1	CENT 2
<b>SCREEN</b>	<b>MESH</b>	<b>Daily Hours</b>	<b>Cum. Hours</b>	Time of Sampling					
Top				Empty Recipient Weight (g)					9.00
Middle			364	Empty Test Tube Weight (g)					314
Bottom			364	Full Recipient Weight (g)					37
<b>Shaker # 4</b>				Full Test Tube Weight (g)					429
MW IN (ppg)		MW OUT (ppg)		Liquids Weight (g)					115
<b>SCREEN</b>	<b>MESH</b>	<b>Daily Hours</b>	<b>Cum. Hours</b>	Water Volume (ml) (weight (g))					50
Top				Oil Weight (g)					13
Middle				% Solids					6
Bottom				% Water					7
<b>Shaker # 5</b>				% Oil					88.50

Waste Report											
MW IN (ppg)		MW OUT (ppg)		Cuttings Processed VERTI-G (bb)		Cuttings Discharged VERTI-G (bb)		Fluid Lost with Cuttings VERTI-G (bb)		Fluid Recovered VERTI-G (bb)	
<b>SCREEN</b>	<b>MESH</b>	<b>Daily Hours</b>	<b>Cum. Hours</b>	<b>Daily</b>	<b>Cumulated</b>	<b>Daily</b>	<b>Cumulated</b>	<b>Daily</b>	<b>Cumulated</b>	<b>Daily</b>	<b>Cumulated</b>
Top			364								
Middle			364								
Bottom			364	1943		1411		149,2			531
<b>Shaker # 6</b>				Fluid Processed CENTRIFUGES (bb)		Cuttings Discharged CENTRIFUGES (bb)		Fluid Lost with Cuttings CENTRIFUGES (bb)		% ROC on Verti G (Daily Average)	
MW IN (ppg)		MW OUT (ppg)		<b>Daily</b>	<b>Cumulated</b>	<b>Daily</b>	<b>Cumulated</b>	<b>Daily</b>	<b>Cumulated</b>		
<b>SCREEN</b>	<b>MESH</b>	<b>Daily Hours</b>	<b>Cum. Hours</b>								
Top				857,1	18689	70,2	1608	18,2	492,6		
Middle											
Bottom											

Vacuum System Report										
Fluid Volume Recovered (bb)				Verti-G Hours Operating		Cuttings Discharged TOTAL (bb)		Fluid Lost with Cuttings TOTAL (bb)		Total % ROC-Verti G + Centrifuges (Daily Average)
<b>Daily</b>	<b>Cumulated</b>	<b>Daily</b>	<b>Cumulated</b>	<b>Daily</b>	<b>Cumulated</b>	<b>Daily</b>	<b>Cumulated</b>	<b>Daily</b>	<b>Cumulated</b>	
	18		412	70,2	3019	18,2	641,8			6,27%



Rental Equipment & Service Charge				DWM Crew on the Rig			
DETAIL AND COST (US\$)	OPERATION	FULL PRICE	TOTAL	SOL. CONTROL SUP.	SOL. CONTROL OPERAT.		
CUTTINGS DRYER SYSTEM (VERTI-G)		\$2.777,93		ALMIR FREITAS	CARMELINO MUNIZ		
518 CENTRIFUGE	X	\$441,33	\$441,33		RICARDO PIZZATE		
HI SIDE BLENDER		\$374,78		SOL. CONTROL SUP. EX-PAT			
				BRANDON BELAIRE			
<b>Environmental Solutions Personnel</b>				<b>TOTAL COST</b>			
DETAIL AND COST (US\$)	NUMBER OF PEOPLE	FULL PRICE	TOTAL DAILY		<b>DAILY</b>	<b>CUMULATE</b>	
EQUIPMENT SUPERVISOR (LOCAL)	1	\$1.157,11	\$1.157,11	ES EQUIPMENT (US)	\$441,33	\$136.091,58	
EQUIPMENT OPERATOR (LOCAL)	2	\$497,83	\$995,66	ES PERSONNEL EX-PAT(US)	\$1.731,78	\$76.198,32	
EQUIPMENT SUPERVISOR (EX-PAT)	1	\$1.731,78	\$1.731,78	HI SIDE (US)			
				ES PERSONNEL LOCAL (US)	\$2.152,77	\$89.743,58	
				<b>TOTAL COST (US)</b>	<b>\$4.325,88</b>	<b>\$302.033,48</b>	

**DAILY COMMENTS**

<b>% ROC WELL AVERAGE</b>	5,08%
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Today we finished centrifuging the reserve pits and began to clean out the equipment.

**SPACE FOR COMPANY MAN'S COMMENTS**

**VALIDATION**

PERENCO DRILLING SUPERVISOR SIGNATURE	ALMIR FREITAS / BRANDON	MI SWACO SUPERVISOR SIGNATURE
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