MI SWACO
A Schlumberger Company

WATER-BASED MUD REPORT No.3

Operator :	**University of Texas**	**Field/Area :**	Green Canyon	**Depth/TVD :**	ft/0 ft
Report For :	Tom Pettigrew	**Description :**	Block 955	**Date :**	**8-May-17**
Well Name :	OCS-G 30344 Hole H002	**Location :**	Offshore	**Spud Date :**	
Contractor/Rig:	Helix/Q4000	**Water Depth :**	6664	**Mud Type :**	WBM Other (M-I SWACO)
Report For :	David Cobb	**Log-It # :**	254627	**Activity :**	Tripping in the Hole

DRILLING ASSEMBLY	CASING	MUD VOLUME (bbl)		CIRCULATION DATA		
		Hole	Active Pits	Pump Make	NOV HEX II	NOV HEX II
				Pump Liner x Stk	4.5x11.8in	4.5x11.8in
		Total Circulating Volume		Pump Capacity	4.87 gal/stk	4.87 gal/stk
				Pump stk/min	@100%	@100%
		Depth Drilled Last 24 hr		Flow Rate	gal/min	
		ft		Pump Pressure	psi	
Nozzles x / x 1/32"		Volume Drilled Last 24 hr		Bottoms Up	0 min/ 0 stk	
9.875in		0 bbl		Total Circulation	0 min/ 0stk	

MUD PROPERTIES						PRODUCTS USED Last 24 hr		
Sample From		Pit #3 @ 17:00	Pit #4 @ 21:00			**Products**	**Size**	**Amount**
FlowLine Temp	°F							
Depth/TVD	ft							
Mud Weight /Temp	lb/gal @ °F	10.5 @ 80	11.2 @ 80					
Funnel Viscosity	sec/qt							
Rheology Temp	°F	80	80					
R600/R300		51 / 37	70 / 51					
R200/R100		32 / 27	43 / 32					
R6/R3		18 / 17	12 / 10					
PV	cP	14	19					
YP	lbf/100ft²	23	32					
10s/10m/30m Gel		23 / 27 /	12 / 17 /					
API Fluid Loss	cc/30min	7.6	5.6					
HTHP Fluid Loss	cc/30min							
Cake APT/HT	1/32"	1	1					
Solids	%vol	11	15					
Oil/Water	%vol	/89	/85			Drilling Fluids Supervisor		1.0
Sand	%vol					Drilling Fluids Supervisor		1.0
MBT	lb/bbl	7.5	10					
pH / Temp		8.5 @ 80	8.5 @ 80			**SOLIDS CONTROL EQUIPMENT Last 24 hr**		
Alkal Mud (Pm)						**Type**	**Model/Size**	**Hrs Used**
Pf/Mf		0.1 / 0.2	0.1 / 0					
Chlorides	mg/L	17600	15800					
Hardness (Ca++)		1000	1100					
						MUD PROPERTY SPECS min-max		**Actual**
							-	
							-	
							-	

REMARKS AND TREATMENT	REMARKS
Assembled HI Side Blender for use on Active Pi#5. Tested the blender by building 10.5 ppg WBM. Test successful. Built 11.5 ppg kill mud. Run mud checks for the 10.5 ppg. mud and 11.5 ppg. kill mud.	Completed Top Drive inspection. Made up BHA. Tripping in the hole with BHA on drill pipe singles at report time.

TIME DISTRIBUTION Last 24 hrs		MUD VOL ACCTG (bbl)		SOLIDS ANALYSIS			RHEOLOGY & HYDRAULICS	
Make Up / Lay Dow	11	Water Added	222	NaCl	%vol / lb/bbl	0.78 / 9.12	n	
Rig Up / Tear Down	13	Mud Received		KCl	%vol / lb/bbl	0 / 0	k	
		Mud Returned		Low Gravity	% / lb/bbl	5.12 / 46.59	Tauy	
				Bentonite	% / lb/bbl	0.77 / 6.96	Bit loss/%, psi/%	
				Drill Solids	% / lb/bbl	4.83 / 43.98	Bit HHP/HIS	
				Weight Material	% / lb/bbl	5.1 / 73.18	Jet Velocity, ft/s	
				Chemical Conc	lb/bbl		Va Pipe, ft/min	
				Inert/React		5.2	Va Collars, ft/min	
				Average SG Solids		3.4	CVa Pipe, ft/min	
							CVa Collars, ft/min	
							ECD at Shoe, lb/gal	
							ECD at TD, lb/gal	

M-I Engineer	Phone	email	Whse Phone	Rig Phone	Daily cost	Cumulative Cost
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