MI SWACO
A Schlumberger Company

WATER-BASED MUD REPORT No.1

Operator :	**University of Texas**	**Field/Area :**	Green Canyon	**Depth/TVD :**	0 ft/0 ft
Report For :	Tom Pettigrew	**Description :**	Block 955	**Date :**	**16-May-17**
Well Name :	OCS-G 30344 Hole H005	**Location :**	Offshore	**Spud Date :**	
Contractor/Rig:	Helix/Q4000	**Water Depth :**	6664	**Mud Type :**	WBM Other (M-I SWACO)
Report For :	David Cobb	**Log-It # :**		**Activity :**	Testing Coring Assy.

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	
in		0 bbl		Total Circulation	0 min/ 0stk	

MUD PROPERTIES						PRODUCTS USED Last 24 hr		
Sample From		Pit #5 @ 14:00	FW Pad @ 02:00			**Products**	**Size**	**Amount**
FlowLine Temp	°F							
Depth/TVD	ft							
Mud Weight /Temp	lb/gal @ °F	11.5 @ 83	16 @ 80					
Funnel Viscosity	sec/qt	38	85					
Rheology Temp	°F	80	80					
R600/R300		38 / 25	89 / 67					
R200/R100		20 / 14	54 / 43					
R6/R3		4 / 3	21 / 19					
PV	cP	13	22					
YP	lbf/100ft²	12	45					
10s/10m/30m Gel		5 / 8 /	21 / 28 /					
API Fluid Loss	cc/30min	8.8	14.6					
HTHP Fluid Loss	cc/30min							
Cake APT/HT	1/32"	1 /	2 /					
Solids	%vol	14	32					
Oil/Water	%vol	0/86	0/68			Drilling Fluids Supervisor		1.0
Sand	%vol	0.1	0.1			Drilling Fluids Supervisor		1.0
MBT	lb/bbl	7.5	25					
pH / Temp		8.4 @ 83	10.4 @ 80			**SOLIDS CONTROL EQUIPMENT Last 24 hr**		
Alkal Mud (Pm)		0.1	0.9			**Type**	**Model/Size**	**Hrs Used**
Pf/Mf		0.2 / 0.4	0.4 / 0.6					
Chlorides	mg/L	16500	2200					
Hardness (Ca++)		600	180					
						MUD PROPERTY SPECS min-max		**Actual**
							-	
							-	
							-	

REMARKS AND TREATMENT	REMARKS
Checked 10.5 and 11.5 ppg Pad/Kill Mud and added chemical accordingly. Checked mud scale calibration. Began preparing pits for drilling next pilot hole.	Testing coring assembly to prepare to drill Pilot Hole H005.

TIME DISTRIBUTION Last 24 hrs		MUD VOL ACCTG (bbl)		SOLIDS ANALYSIS			RHEOLOGY & HYDRAULICS	
Testing / Inspecting	24	Water Added	516	NaCl	%vol / lb/bbl	0.71 / 8.25	n	
		Mud Received	1552	KCl	%vol / lb/bbl	0 / 0	k	
		Mud Returned		Low Gravity	% / lb/bbl	3.37 / 30.69	Tauy	
				Bentonite	% / lb/bbl	0.79 / 7.18	Bit loss/%, psi/%	
				Drill Solids	% / lb/bbl	2.87 / 26.09	Bit HHP/HIS	
				Weight Material	% / lb/bbl	9.92 / 142.38	Jet Velocity, ft/s	
				Chemical Conc	lb/bbl		Va Pipe, ft/min	
				Inert/React		3.1	Va Collars, ft/min	
				Average SG Solids		3.7	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
Begona Sanchez	281-942-4001	GLopez27@slb.com	985-303-6218	281-942-4001		
Karey Louviere	281-942-4001	klouviere@slb.com				