MI SWACO
A Schlumberger Company

WATER-BASED MUD REPORT No.6

Operator :	**University of Texas**	**Field/Area :**	Green Canyon	**Depth/TVD :**	8028 ft/8028 ft
Report For :	Tom Pettigrew	**Description :**	Block 955	**Date :**	**11-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 :**	Drilling

DRILLING ASSEMBLY	CASING	MUD VOLUME (bbl)		CIRCULATION DATA		
7827 ft, 5.875 in Drill Pipe		Hole	Active Pits	Pump Make	NOV HEX II	NOV HEX II
2 ft, 8.5 in Sub		277.8	#N/A	Pump Liner x Stk	4.5x11.8in	4.5x11.8in
120 ft, 8.5 in Drill Collar		Total Circulating Volume		Pump Capacity	4.87 gal/stk	4.87 gal/stk
3 ft, 8.5 in Stabilizer		#N/A		Pump stk/min	71@100%	@100%
30 ft, 8.5 in Drill Collar		Depth Drilled Last 24 hr		Flow Rate	346.00 gal/min	
3 ft, 8.5 in Stabilizer		1312 ft		Pump Pressure	100 psi	
Nozzles 5x20 / x 1/32"		Volume Drilled Last 24 hr		Bottoms Up	9.45 min/ 671.06 stk	
9.875in		130.5 bbl		Total Circulation	0 min/ 0stk	

MUD PROPERTIES

Sample From		Pit #3 @ 20:40	Sweep @ 18:30		
FlowLine Temp	°F				
Depth/TVD	ft	7830 / 7830			
Mud Weight /Temp	lb/gal @ °F	10.5 @ 80	8.8 @ 80		
Funnel Viscosity	sec/qt	77			
Rheology Temp	°F	80	80		
R600/R300		42 / 31	52 / 44		
R200/R100		27 / 21	38 / 31		
R6/R3		10 / 9	19 / 18		
PV	cP	11	8		
YP	lbf/100ft²	20	36		
10s/10m/30m Gel		10 / 17 /	18 / 22 /		
API Fluid Loss	cc/30min	7			
HTHP Fluid Loss	cc/30min				
Cake APT/HT	1/32"	1			
Solids	%vol	10			
Oil/Water	%vol	0/90			
Sand	%vol	0.1			
MBT	lb/bbl	7.5			
pH / Temp		8.1 @ 80			
Alkal Mud (Pm)					
Pf/Mf		0.1 / 0.5			
Chlorides	mg/L	18000			
Hardness (Ca++)		2400			

PRODUCTS USED Last 24 hr

Products	Size	Amount
Drilling Fluids Supervisor		1.0
Drilling Fluids Supervisor		1.0

SOLIDS CONTROL EQUIPMENT Last 24 hr

Type	Model/Size	Hrs Used

MUD PROPERTY SPECS min-max		Actual
	-	
	-	
	-	

REMARKS AND TREATMENT

Rebuilt prehydrated Gel and sweeps as required. Checked calibration on pressurized and regular mud scales. Adding .25 ppb Lime and 2.5 gallons of PolyPlus to the HI Vis Sweeps. Building Prehydrated Gel with Bulk Gel, Caustic Soda, and fresh water.

REMARKS

Continue tripping in the hole with BHA on drill pipe singles. Continue with wireline and coring final test. Tagged the ocean floor and began pumping seawater while drilling ahead. Drilled to 8,028' with seawater, pumping 25 bbl HI Vis sweeps as needed to clean the hole.

TIME DISTRIBUTION Last 24 hrs		MUD VOL ACCTG (bbl)		SOLIDS ANALYSIS			RHEOLOGY & HYDRAULICS	
Rig Up / Tear Down	9.5	Water Added	90.5	NaCl	%vol / lb/bbl	0.81 / 9.43	n	
Drilling	14.5	Mud Received		KCl	%vol / lb/bbl	0 / 0	k	
		Mud Returned		Low Gravity	% / lb/bbl	3.04 / 27.64	Tauy	
		Pills / Sweeps / Spac	25	Bentonite	% / lb/bbl	0.79 / 7.22	Bit loss/%, psi/%	
		Pills / Sweeps / Spac	25	Drill Solids	% / lb/bbl	2.49 / 22.66	Bit HHP/HIS	
		Pit Cleaning & Dead	25	Weight Material	% / lb/bbl	6.15 / 88.31	Jet Velocity, ft/s	
		Pills / Sweeps / Spac	25	Chemical Conc	lb/bbl		Va Pipe, ft/min	
				Inert/React		2.7	Va Collars, ft/min	
				Average SG Solids		3.6	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				