MI SWACO
A Schlumberger Company

WATER-BASED MUD REPORT No.5

Operator :	**University of Texas**	**Field/Area :**	Green Canyon	**Depth/TVD :**	0 ft/0 ft
Report For :	Tom Pettigrew	**Description :**	Block 955	**Date :**	**10-May-17**
Well Name :	OCS-G 30344 Pilot Hole A	**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		
-201 ft, 5.875 in Drill Pipe		Hole	Active Pits	Pump Make	NOV HEX II	NOV HEX II
2 ft, 8.5 in Sub			#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	@100%	@100%
30 ft, 8.5 in Drill Collar		Depth Drilled Last 24 hr		Flow Rate	gal/min	
3 ft, 8.5 in Stabilizer		ft		Pump Pressure	psi	
Nozzles 5x20 / 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 @ 08:00	Pit #7			**Products**	**Size**	**Amount**
FlowLine Temp	°F							
Depth/TVD	ft	/	/					
Mud Weight /Temp	lb/gal @ °F	10.5 @ 80	8.7 @					
Funnel Viscosity	sec/qt	77						
Rheology Temp	°F	80	80					
R600/R300		45 / 33	51 / 42					
R200/R100		27 / 20	36 / 29					
R6/R3		10 / 9	19 / 17					
PV	cP	12	9					
YP	lbf/100ft²	21	33					
10s/10m/30m Gel		12 / 16 /	17 / 21 /					
API Fluid Loss	cc/30min	7						
HTHP Fluid Loss	cc/30min							
Cake APT/HT	1/32"	1 /						
Solids	%vol	10						
Oil/Water	%vol	/90				Drilling Fluids Supervisor		1.0
Sand	%vol	0.1				Drilling Fluids Supervisor		1.0
MBT	lb/bbl	7.5						
pH / Temp		8.2 @ 80				**SOLIDS CONTROL EQUIPMENT Last 24 hr**		
Alkal Mud (Pm)						**Type**	**Model/Size**	**Hrs Used**
Pf/Mf		0.1 / 0.5						
Chlorides	mg/L	18000						
Hardness (Ca++)		2800						
						MUD PROPERTY SPECS min-max		**Actual**
							-	
							-	
							-	

REMARKS AND TREATMENT	REMARKS
Checked 10.5 ppg Pad Mud and HI Vis sweep. Rebuilding Prehydrated Gel as required with 40 ppb Bulk Gel and .25 ppb Caustic Soda. Build sweeps with 50% PHG and 50% seawater + .5 ppb Lime and 1/2 - 5 gallon can of Polyplus.	Continue tripping in the hole with BHA on drill pipe singles. Before tagging bottom, performed pump efficiency test with Hex Pumps. Testing and rig up wireline tools. Run flow test.

TIME DISTRIBUTION Last 24 hrs		MUD VOL ACCTG (bbl)		SOLIDS ANALYSIS			RHEOLOGY & HYDRAULICS	
Make Up / Lay Dow	16.5	Water Added	268	NaCl	%vol / lb/bbl	0.81 / 9.43	n	
Other	7.5	Mud Received		KCl	%vol / lb/bbl	0 / 0	k	
		Mud Returned		Low Gravity	% / lb/bbl	3.04 / 27.64	Tauy	
				Bentonite	% / lb/bbl	0.79 / 7.22	Bit loss/%, psi/%	
				Drill Solids	% / lb/bbl	2.49 / 22.66	Bit HHP/HIS	
				Weight Material	% / lb/bbl	6.15 / 88.31	Jet Velocity, ft/s	
				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			985-303-6218	281-942-4001		
Karey Louviere						