MI SWACO
A Schlumberger Company

WATER-BASED MUD REPORT No.3

Operator :	**University of Texas**	**Field/Area :**	Green Canyon	**Depth/TVD :**	8101 ft/8101 ft
Report For :	Tom Pettigrew	**Description :**	Block 955	**Date :**	**18-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 :**	Coring

DRILLING ASSEMBLY	CASING	MUD VOLUME (bbl)		CIRCULATION DATA		
7897 ft, 5.875 in Bit		Hole	Active Pits	Pump Make	NOV HEX II	NOV HEX II
2 ft, 8.5 in Sub		291		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		290.8		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		418 ft		Pump Pressure	psi	
Nozzles 5x20 / x 1/32"		Volume Drilled Last 24 hr		Bottoms Up	0 min/ 0 stk	
9.875in		41.58 bbl		Total Circulation	0 min/ 0stk	

MUD PROPERTIES						PRODUCTS USED Last 24 hr		
Sample From		Pit #5 @ 20:00	Pit #7 @ 10:00			**Products**	**Size**	**Amount**
FlowLine Temp	°F							
Depth/TVD	ft	8091 / 8081	8081 / 8081					
Mud Weight /Temp	lb/gal @ °F	9.5 @ 83	8.8 @ 85					
Funnel Viscosity	sec/qt	41	358					
Rheology Temp	°F	80	80					
R600/R300		23 / 17	51 / 41					
R200/R100		14 / 11	36 / 30					
R6/R3		4 / 3	19 / 18					
PV	cP	6	10					
YP	lbf/100ft²	11	31					
10s/10m/30m Gel		4 / 5 /	21 / 27 /					
API Fluid Loss	cc/30min	6.4						
HTHP Fluid Loss	cc/30min							
Cake APT/HT	1/32"	1 /						
Solids	%vol	7						
Oil/Water	%vol	0/93				Drilling Fluids Supervisor		1.0
Sand	%vol	0.1				Drilling Fluids Supervisor		1.0
MBT	lb/bbl	5						
pH / Temp		8.1 @ 83				**SOLIDS CONTROL EQUIPMENT Last 24 hr**		
Alkal Mud (Pm)						**Type**	**Model/Size**	**Hrs Used**
Pf/Mf		0.1 / 0.4						
Chlorides	mg/L	20000						
Hardness (Ca++)		1200						
						MUD PROPERTY SPECS min-max		**Actual**
							-	
							-	
							-	

REMARKS AND TREATMENT	REMARKS
Rebuilt Prehydrated Gel 9.5 HI Vis Sweep. Top off Pit #8 with seawater to use for drilling. Pit Cleaners continue cleaning WBM residue from Brine Tank #4.	1st core run was successful. Continued drilling to next core point at 8,081' using seawater and gel sweeps. Rig up coring assembly using slick line. Performed core #2 & 3 from 8,081'-8,101'.

TIME DISTRIBUTION Last 24 hrs		MUD VOL ACCTG (bbl)		SOLIDS ANALYSIS			RHEOLOGY & HYDRAULICS	
Drilling	7	Water Added	158	NaCl	%vol / lb/bbl	0.93 / 10.84	n	
Coring Operations	9	Mud Received		KCl	%vol / lb/bbl	0 / 0	k	
Rig Up / Tear Down	5	Mud Returned		Low Gravity	% / lb/bbl	4.76 / 43.28	Tauy	
Circulating / Hole C	3	Other Subsurface	25	Bentonite	% / lb/bbl	0.49 / 4.47	Bit loss/%, psi/%	
		Other Subsurface	25	Drill Solids	% / lb/bbl	4.73 / 43.06	Bit HHP/HIS	
		Other Subsurface	25	Weight Material	% / lb/bbl	1.31 / 18.83	Jet Velocity, ft/s	
		Other Subsurface	25	Chemical Conc	lb/bbl		Va Pipe, ft/min	
		Other Subsurface	25	Inert/React		7.7	Va Collars, ft/min	
		Pit Cleaning & Dead	70	Average SG Solids		2.9	CVa Pipe, ft/min	
		Other Subsurface	25				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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