

A Schlumberger Company

WATER-BASED MUD REPORT No.4

Operator: University of Texas Report For: Tom Pettigrew Field/Area: Green Canyon Depth/TVD: 0 ft/0 ft **Description:** Block 955 Date: 9-May-17 Well Name: OCS-G 30344 Pilot Hole A Spud Date : **Location**: Offshore Water Depth: 6664 Mud Type: WBM Other (M-I SWACO)

Contractor/Rig: Helix/Q4000 Report For: David Cobb Log-lt #: 254627 Activity : TIH

Report For . Da	avid Cobb			Log-it#	. 234027	ACII	vity.	ПП	
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						Pump Line		4.5x11.8in	4.5x11.8in
120 ft, 8.5 in Drill Collar				Total Circu	lating Volume	Pump Cap		4.87 gal/stk	4.87 gal/stk
3 ft, 8.5 in Stabilizer				rotar Orroa	iding volunio	Pump s		@100%	@100%
30 ft, 8.5 in Drill Collar		-		Depth Drilled Last 24 hr			v Rate		gal/min
3 ft, 8.5 in Stabilizer				ft					psi
Nozzles x / x 1/32"		 		Volume Drilled Last 24 hr				n/ 0 stk	
9.875in				0 bbl		Total Circu	ulation		
9.07 3111		MUD PROP	EDTIES	0 001		Total Circulation 0 mir PRODUCTS USED Last 24			
Sample From			Pit 7 Sweep @ 09:0			Products Size			Amount
FlowLine Temp	°F	FIL#3 @ 13.00	711 7 Sweep @ 09.01			PAD MUD (WATER	DDAGE	1 BL	2300
Depth/TVD	ft		-			PAD MOD (WATER	KDASI	I DL	2300
		40.5 @ 00	0.0 @ 00						
Mud Weight /Temp	lb/gal @ °F	10.5 @ 80	8.8 @ 80			 			
Funnel Viscosity	sec/qt	61	00						
Rheology Temp	°F	80	80			1			
R600/R300		44 / 32	48 / 39			ļ			
R200/R100		27 / 21	34 / 27						
R6/R3		10/9	18 / 15						
PV	cP	12	9						
YP	lbf/100ft ²	20	30						
10s/10m/30m Gel		11 / 15 /	16 / 19 /						
API Fluid Loss	cc/30min	6							
HTHP Fluid Loss	cc/30min								
Cake APT/HT	1/32"	1							
Solids	%vol	10							
Oil/Water	%vol	0/90				Drilling Fluids Supe	ervisor		1.0
Sand	%vol	0.1				Drilling Fluids Supervisor 1.		1.0	
MBT	lb/bbl	7.5							
pH / Temp		8.2 @ 80				SOLIDS CONTROL EQUIPMENT Last		ast 24 hr	
Alkal Mud (Pm)						Type		Model/Size	Hrs Used
Pf/Mf		0.1 / 0.5							
Chlorides	mg/L	18500							
Hardness (Ca++)		2800							
(
			1			1			
						1			
			+		+	+			
						MUD PROPERTY SPECS min-max		CS min-max	Actual
								-	
								-	
								_	
	REMARKS AN	ND TREATMENT	<u> </u>			REMARKS			
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Built Prehydrated Gel and HI Vis Sweep. Top off Pit #5 with seawater to use for initial spud in. Moved some chemicals near the pits.

Continue tripping in the hole with BHA on drill pipe singles. Attempted to perform .5 bbl/min shallow water test, but rig pumps were not able to pump at that low of a rate. Rigged up SLB cementer to perform test.

TIME DISTRIBUTION Last 24 hrs		MUD VOL ACCTG (bbl)		SOLIDS ANALYSIS			RHEOLOGY & HYDRAULICS		
Rig Service	8.5	Water Added		NaCl	%vol / lb/bbl	0.83 / 9.7	n		
Make Up / Lay Dow	4	Mud Received		KCI	%vol / lb/bbl	0/0	k		
Other	11.5	Mud Returned		Low Gravity	% / lb/bbl	3.02 / 27.52	Tauy		
		Other Surface	116	Bentonite	% / lb/bbl	0.79 / 7.23	Bit loss/%, psi/%		
				Drill Solids	% / lb/bbl	2.47 / 22.52	Bit HHP/	HIS	
				Weight Material	% / lb/bbl	6.14 / 88.17	Jet Veloc		
				Chemical Conc	lb/bbl		Va Pipe,	ft/min	
				Inert/React		2.7	Va Collar	s, ft/min	
				Average SG Solid	ds	3.6	CVa Pipe	e, ft/min	
							CVa Coll	ars, ft/min	
							ECD at S	shoe, lb/gal	
							ECD at T	D, lb/gal	
I-I Engineer	Phone	email		Whse Phone	Rig Phone	Daily cost Cumulativ		tive Cost	
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