MI SWACO
A Schlumberger Company

WATER-BASED MUD REPORT No.9

Operator :	**University of Texas**	**Field/Area :**	Green Canyon	**Depth/TVD :**	8142 ft/8142 ft
Report For :	Tom Pettigrew	**Description :**	Block 955	**Date :**	**14-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 :**	Logging

DRILLING ASSEMBLY	CASING	MUD VOLUME (bbl)		CIRCULATION DATA		
7469 ft, 5.875 in Drill Pipe		Hole	Active Pits	Pump Make	NOV HEX II	NOV HEX II
2 ft, 8.5 in Sub		292.6	#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		30 ft		Pump Pressure	psi	
Nozzles 5x20 / x 1/32"		Volume Drilled Last 24 hr		Bottoms Up	6.64 min/ 471.15 stk	
9.875in		2.98 bbl		Total Circulation	0 min/ 0stk	

MUD PROPERTIES						PRODUCTS USED Last 24 hr		
Sample From		Pad Mud @ 03:30	Sweeps @ 21:00			**Products**	**Size**	**Amount**
FlowLine Temp	°F	80	80			DUO-VIS	25 KG BG	9
Depth/TVD	ft	8122 / 8122	8142 / 8142			POLYPAC R	50 LB BG	7
Mud Weight /Temp	lb/gal @ °F	10.5 @ 80	11.5 @			DESCO	25 LB BG	1
Funnel Viscosity	sec/qt	80						
Rheology Temp	°F	80	80					
R600/R300		44 / 29	127 / 97					
R200/R100		23 / 18	83 / 66					
R6/R3		8 / 7	36 / 34					
PV	cP	15	30					
YP	lbf/100ft²	14	67					
10s/10m/30m Gel		7 / 12 /	35					
API Fluid Loss	cc/30min	8.6						
HTHP Fluid Loss	cc/30min							
Cake APT/HT	1/32"	1 /						
Solids	%vol	10						
Oil/Water	%vol	0/90				Drilling Fluids Supervisor		1.0
Sand	%vol	0.1				Drilling Fluids Supervisor		1.0
MBT	lb/bbl	7.5						
pH / Temp		8.5 @ 80				**SOLIDS CONTROL EQUIPMENT Last 24 hr**		
Alkal Mud (Pm)		0.4				**Type**	**Model/Size**	**Hrs Used**
Pf/Mf		0.2 / 0.5						
Chlorides	mg/L	18000						
Hardness (Ca++)		2400						
						MUD PROPERTY SPECS min-max		**Actual**
							-	
							-	
							-	

REMARKS AND TREATMENT

Building 10.5 ppg. Mud using the Hi Side Blender, with the 16 ppg. Mud and Seawater. Adding Duovis, and PolyPac R to the 10.5 ppg. Mud. Building 11.5 ppg. Hi Vis Sweeps.
Ordered another 900 bbls of 16.0 ppg Fresh Water Based Mud for the next pilot hole.

REMARKS

Drilled to 8,142' with 10.5 ppg. mud. Performed core 6CS, 7CS, and 8CS. Pumped a 10.5 ppg HI Vis Sweep and circulated 10.5 ppg Pad Mud in the hole. POOH to 7670 while rigging up for wireline operations.

TIME DISTRIBUTION Last 24 hrs		MUD VOL ACCTG (bbl)		SOLIDS ANALYSIS			RHEOLOGY & HYDRAULICS	
Drilling	2	Water Added	560	NaCl	%vol / lb/bbl	0.81 / 9.43	n	
Coring Operations	13	Mud Received		KCl	%vol / lb/bbl	0 / 0	k	
Condition Hole	1	Mud Returned		Low Gravity	% / lb/bbl	3.04 / 27.64	Tauy	
Trip (Programmed)	2	Other Subsurface	25	Bentonite	% / lb/bbl	0.79 / 7.22	Bit loss/%, psi/%	
Rig Up / Tear Down	3	Other Subsurface	150	Drill Solids	% / lb/bbl	2.49 / 22.66	Bit HHP/HIS	
Wireline Logs	3	Other Subsurface	145	Weight Material	% / lb/bbl	6.15 / 88.31	Jet Velocity, ft/s	
		Other Subsurface	130	Chemical Conc	lb/bbl		Va Pipe, ft/min	
		Other Subsurface	130	Inert/React		2.7	Va Collars, ft/min	
		Other Subsurface	267	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	$5,824.48	$160,379.10
Karey Louviere	281-942-4001	klouviere@slb.com				

MI SWACO
A Schlumberger Company

Wellsite Daily Cost

Daily Report No. 9

Operator : University of Texas
Well Name : OCS-G 30344 Hole H002
Location: Offshore

Date : 5/14/2017
Report No: 9

	Daily	Cumulative Interval	Cumulative Well
Engineering Charges:		$5,400.00	$21,600.00
Chemical cost:	$4,024.48	$28,679.10	$138,779.10
Equipment:			
Screens:			
Total Daily Cost:	$4,024.48	$34,079.10	$160,379.10
Daily Tax:			

Engineering Costs	Unit Price	Qty Charged		Daily Engineering Cost	Cumulative Engineering cost
		Daily	Cum		

Product Costs Inventory & Consumption	Unit Size	Unit Price	Start Amount	Daily Used	Cum Used	Daily Rec'd	Cum Rec'd	Daily Return	Cum. Return	Final Stock	Daily Cost
CAUSTIC SODA	50 LB	$32.68	56		4		60			56	
DEFOAM X	5 GA	$206.25	16				16			16	
DESCO	25 LB	$54.48	80	1	1		80			79	$54.48
DUO-VIS	25 KG	$305.00	42	9	37		70			33	$2,745.00
FRESH WATER	1 GA	$0.05									
LIME	50 LB	$6.50	96		4		100			96	
M-I GEL	100 LB	$11.12									
M-I GEL BULK	1 TN	$198.00	25		10.55		35			25	
M-I WATE (BARITE)	50 LB	$9.80	592				592			592	
MIXING CHARGE WBM	1	$4.00			2300		4600				
MYACIDE GA25	5 GA	$277.93									
PAD MUD (WATERBASE)	1 BL	$47.50			2300		2300				
PALLETS	1	$17.00			25		25				
POLYPAC R	50 LB	$175.00	88	7	33		114			81	$1,225.00
POLY-PLUS	5 GA	$119.00	20		1		21			20	
SHRINK WRAPPING	1	$17.00			25		25				
SODA ASH	50 LB	$14.85	20				20			20	
SPERSENE	50 LB	$65.00									
TANNATHIN	50 LB	$12.50	56				56			56	

MI SWACO
A Schlumberger Company

MUD VOLUME ACCOUNTING
Daily Report

Operator : University of Texas **Date :** 5/14/2017
Well Name: OCS-G 30344 Hole H002 **Report No.:** 9

TANK	CAPACITY bbl	WEIGHT lb/gal	VOLUME bbl	REMARKS	CLASS	SUM of VOLUMES bbl	
Pit 1	190	16	158		Reserve	Reserve	688
Pit 2	190	16	171		Reserve	Pad Mud	407.3
Pit 3	190	10	97.1		Pad Mud	Kill Mud	
Pit 4	190	11.5	164.7		Pad Mud	Prehydrated Gel	
Pit 5	165	10.5	145.6		Pad Mud	HI Vis Sweep	43.3
Pit 6	90	11.5	43.3		HI Vis Sweep	Boat	
Pit 7	90	10.5	50		Cement Spacer	Dead Volume	49
Pit 8	165	8.33	127		Drill Water	Cement Spacer	50
Brine Tank 1	563	16	329		Reserve	Drill Water	127
Brine Tank 2	773	16	30		Reserve	Empty	
Brine Tank 3	384				Empty	Seawater	70
Brine Tank 4	353	9	70		Seawater		
HOS Crockett	3000				Boat		
Pumps and Lines	50	10.5	49		Dead Volume		
						Non Transactional Tank Volume bbl	
						Total Non Trans Volume	

MUD IN HOLE (bbl)				
	ANNULUS	PIPE	BELOW BIT	TOTAL
Total Hole Volume	55	191	47	293
Volume Not Mud	55	191	47	293
Mud Volume				

VOLUME BALANCE (bbl)				
IN/TO:	ACTIVE	RESERVE	OTHER	TOTAL
Start Volume		**1069**	**651.1**	**1720.1**
Oil Added	#N/A		#N/A	
Water Added	#N/A	10	#N/A	560
Vol Chem Added	#N/A		#N/A	1.6
Total Volume Built	**#N/A**	**10**	**#N/A**	**#N/A**
Received	#N/A		#N/A	
Return	#N/A		#N/A	
Transfer In	#N/A	59	#N/A	296.7
Transfer Out	#N/A	93	#N/A	296.7
Daily Loss	267.0	267.0	313.0	**847.00**
Final Volume		688	746.6	**1434.6**

LOSS BREAKDOWN (bbl)	
Other Subsurface	25
Other Subsurface	150
Other Subsurface	145
Other Subsurface	130
Other Subsurface	130
Other Subsurface	267