MI SWACO
A Schlumberger Company

WATER-BASED MUD REPORT No.10

Operator :	**University of Texas**	**Field/Area :**	Green Canyon	**Depth/TVD :**	8142 ft/8142 ft
Report For :	Tom Pettigrew	**Description :**	Block 955	**Date :**	**15-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 :**	POOH w/ BHA

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		141.8	#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	@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		Sweep @ 02:00				**Products**	**Size**	**Amount**
FlowLine Temp	°F	80				M-I WATE (BARITE)	50 LB BG	126
Depth/TVD	ft	8142 / 8142				POLY-PLUS	5 GA CN	1
Mud Weight /Temp	lb/gal @ °F	11.5 @ 80				OFFSHORE ENGINEERI	1 EA	1
Funnel Viscosity	sec/qt							
Rheology Temp	°F	80						
R600/R300		134 / 99						
R200/R100		85 / 67						
R6/R3		38 / 37						
PV	cP	35						
YP	lbf/100ft²	64						
10s/10m/30m Gel		38 /						
API Fluid Loss	cc/30min							
HTHP Fluid Loss	cc/30min							
Cake APT/HT	1/32"							
Solids	%vol							
Oil/Water	%vol					Drilling Fluids Supervisor		1.0
Sand	%vol					Drilling Fluids Supervisor		1.0
MBT	lb/bbl							
pH / Temp						**SOLIDS CONTROL EQUIPMENT Last 24 hr**		
Alkal Mud (Pm)						**Type**	**Model/Size**	**Hrs Used**
Pf/Mf								
Chlorides	mg/L							
Hardness (Ca++)								
						MUD PROPERTY SPECS min-max		**Actual**
							-	
							-	
							-	

REMARKS AND TREATMENT

Preparing to offload 16 ppg. Mud from Gerry Bordelon.
Extra Engineering Charge for hotshot, bringing Static Sheen kit to the Heliport and picking up monthly LC-50 sample to send to Environmental Enterprises in Slidell, LA.

REMARKS

Logging. Rigged down wireline logging equipment. Spotted an 11.5 ppg HI Vis Pill from 8142' to 7,900' with 10.5 ppg pad mud. Rigged up for cement job. Pump cement spacer and cement. Pulled out of the hole and laid down BHA. Prepare BHA for hole H005.

TIME DISTRIBUTION Last 24 hrs		MUD VOL ACCTG (bbl)		SOLIDS ANALYSIS			RHEOLOGY & HYDRAULICS	
Circulating / Hole C	1	Water Added		NaCl	%vol / lb/bbl		n	
Wireline Logs	1	Mud Received		KCl	%vol / lb/bbl		k	
Cementing Operatio	4	Mud Returned		Low Gravity	% / lb/bbl		Tauy	
Trip (Programmed)	10	Other Subsurface	3.1	Bentonite	% / lb/bbl		Bit loss/%, psi/%	
Make Up / Lay Dow	8	Other Subsurface	50	Drill Solids	% / lb/bbl		Bit HHP/HIS	
		Other Subsurface	49	Weight Material	% / lb/bbl		Jet Velocity, ft/s	
				Chemical Conc	lb/bbl		Va Pipe, ft/min	
				Inert/React			Va Collars, ft/min	
				Average SG Solids			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	$4,053.80	$164,432.90
Karey Louviere	281-942-4001	klouviere@slb.com				

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Wellsite Daily Cost

Daily Report No. 10

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

Date : 5/15/2017
Report No: 10

	Daily	Cumulative Interval	Cumulative Well
Engineering Charges:	$1,800.00	$7,200.00	$23,400.00
Chemical cost:	$2,253.80	$30,932.90	$141,032.90
Equipment:			
Screens:			
Total Daily Cost:	$4,053.80	$38,132.90	$164,432.90
Daily Tax:			

Engineering Costs	Unit Price	Qty Charged Daily	Qty Charged Cum	Daily Engineering Cost	Cumulative Engineering cost
OFFSHORE ENGINEERING SERV	$900.00	2	26	$1,800.00	$23,400.00

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	79		1		80			79	
DUO-VIS	25 KG	$305.00	33		37		70			33	
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	126	126		592			466	$1,234.80
MIXING CHARGE WBM	1	$4.00			2300		4600				
MYACIDE GA25	5 GA	$277.93									
OFFSHORE ENGINEERING SERV	1	$900.00		1	1						$900.00
PAD MUD (WATERBASE)	1 BL	$47.50			2300		2300				
PALLETS	1	$17.00			25		25				
POLYPAC R	50 LB	$175.00	81		33		114			81	
POLY-PLUS	5 GA	$119.00	20	1	2		21			19	$119.00
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	

MUD VOLUME ACCOUNTING
Daily Report

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Operator : University of Texas **Date :** 5/15/2017
Well Name: OCS-G 30344 Hole H002 **Report No.:** 10

TANK	CAPACITY bbl	WEIGHT lb/gal	VOLUME bbl	REMARKS	CLASS
Pit 1	190	16	158		Reserve
Pit 2	190	16	171		Reserve
Pit 3	190	10	140.4		Pad Mud
Pit 4	190	11.5	164.7		Pad Mud
Pit 5	165	10.5	142.6		Pad Mud
Pit 6	90	11.5			HI Vis Sweep
Pit 7	90	10.5			Cement Spacer
Pit 8	165	8.33	127		Drill Water
Brine Tank 1	563	16	280		Reserve
Brine Tank 2	773	16	30		Reserve
Brine Tank 3	384				Empty
Brine Tank 4	353	9	70		Seawater
HOS Crockett	3000				Boat
Pumps and Lines	50	10.5	49		Dead Volume

SUM of VOLUMES bbl	
Reserve	639
Pad Mud	447.6
HI Vis Sweep	
Cement Spacer	
Drill Water	127
Empty	
Seawater	70
Boat	
Dead Volume	49

Non Transactional Tank Volume bbl	
Total Non Trans Volume	

MUD IN HOLE (bbl)	ANNULUS	PIPE	BELOW BIT	TOTAL
Total Hole Volume			142	142
Volume Not Mud			142	142
Mud Volume				

VOLUME BALANCE (bbl) IN/TO:	ACTIVE	RESERVE	OTHER	TOTAL
Start Volume		**688**	**746.6**	**1434.6**
Oil Added	#N/A		#N/A	
Water Added	#N/A		#N/A	
Vol Chem Added	#N/A		#N/A	0.1
Total Volume Built	**#N/A**		**#N/A**	**#N/A**
Received	#N/A		#N/A	
Return	#N/A		#N/A	
Transfer In	#N/A		#N/A	43.3
Transfer Out	#N/A		#N/A	43.3
Daily Loss	49.0	49.0	4.1	**102.10**
Final Volume		639	693.7	**1332.7**

LOSS BREAKDOWN (bbl)	
Other Subsurface	3.1
Other Subsurface	50
Other Subsurface	49