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WATER-BASED MUD REPORT No.1

Operator :	**University of Texas**	**Field/Area :**	Green Canyon	**Depth/TVD :**	0 ft/0 ft
Report For :	Tom Pettigrew	**Description :**	Block 955	**Date :**	**16-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 :**	Testing Coring Assy.

DRILLING ASSEMBLY	CASING	MUD VOLUME (bbl)		CIRCULATION DATA		
		Hole	Active Pits	Pump Make	NOV HEX II	NOV HEX II
				Pump Liner x Stk	4.5x11.8in	4.5x11.8in
		Total Circulating Volume		Pump Capacity	4.87 gal/stk	4.87 gal/stk
				Pump stk/min	@100%	@100%
		Depth Drilled Last 24 hr		Flow Rate	gal/min	
		ft		Pump Pressure	psi	
Nozzles x / x 1/32"		Volume Drilled Last 24 hr		Bottoms Up	0 min/ 0 stk	
in		0 bbl		Total Circulation	0 min/ 0stk	

MUD PROPERTIES						PRODUCTS USED Last 24 hr		
Sample From		Pit #5 @ 14:00	FW Pad @ 02:00			**Products**	**Size**	**Amount**
FlowLine Temp	°F					PAD MUD (WATERBASE	1 BL	900
Depth/TVD	ft					MIXING CHARGE WBM	1 EA	900
Mud Weight /Temp	lb/gal @ °F	11.5 @ 83	16 @ 80					
Funnel Viscosity	sec/qt	38	85					
Rheology Temp	°F	80	80					
R600/R300		38 / 25	89 / 67					
R200/R100		20 / 14	54 / 43					
R6/R3		4 / 3	21 / 19					
PV	cP	13	22					
YP	lbf/100ft²	12	45					
10s/10m/30m Gel		5 / 8 /	21 / 28 /					
API Fluid Loss	cc/30min	8.8	14.6					
HTHP Fluid Loss	cc/30min							
Cake APT/HT	1/32"	1 /	2 /					
Solids	%vol	14	32					
Oil/Water	%vol	0/86	0/68			Drilling Fluids Supervisor		1.0
Sand	%vol	0.1	0.1			Drilling Fluids Supervisor		1.0
MBT	lb/bbl	7.5	25					
pH / Temp		8.4 @ 83	10.4 @ 80			**SOLIDS CONTROL EQUIPMENT Last 24 hr**		
Alkal Mud (Pm)		0.1	0.9			**Type**	**Model/Size**	**Hrs Used**
Pf/Mf		0.2 / 0.4	0.4 / 0.6					
Chlorides	mg/L	16500	2200					
Hardness (Ca++)		600	180					

MUD PROPERTY SPECS min-max		Actual
	-	
	-	
	-	

REMARKS AND TREATMENT

Checked 10.5 and 11.5 ppg Pad/Kill Mud and added chemical accordingly.
Checked mud scale calibration. Began preparing pits for drilling next pilot hole.

Charged off 900 bbls of WBM and related mixing charges.

REMARKS

Testing coring assembly to prepare to drill Pilot Hole H005.

TIME DISTRIBUTION Last 24 hrs		MUD VOL ACCTG (bbl)		SOLIDS ANALYSIS			RHEOLOGY & HYDRAULICS	
Testing / Inspecting	24	Water Added	516	NaCl	%vol / lb/bbl	0.71 / 8.25	n	
		Mud Received	1552	KCl	%vol / lb/bbl	0 / 0	k	
		Mud Returned		Low Gravity	% / lb/bbl	3.37 / 30.69	Tauy	
				Bentonite	% / lb/bbl	0.79 / 7.18	Bit loss/%, psi/%	
				Drill Solids	% / lb/bbl	2.87 / 26.09	Bit HHP/HIS	
				Weight Material	% / lb/bbl	9.92 / 142.38	Jet Velocity, ft/s	
				Chemical Conc	lb/bbl		Va Pipe, ft/min	
				Inert/React		3.1	Va Collars, ft/min	
				Average SG Solids		3.7	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	$48,150.00	$48,150.00
Karey Louviere	281-942-4001	klouviere@slb.com				

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Wellsite Daily Cost

Daily Report No. 1

Operator : University of Texas
Well Name : OCS-G 30344 Hole H005
Location: Offshore

Date : 5/16/2017
Report No: 1

	Daily	Cumulative Interval	Cumulative Well
Engineering Charges:	$1,800.00	$1,800.00	$1,800.00
Chemical cost:	$46,350.00	$46,350.00	$46,350.00
Equipment:			
Screens:			
Total Daily Cost:	$48,150.00	$48,150.00	$48,150.00
Daily Tax:			

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

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							56	
DEFOAM X	5 GA	$206.25	16							16	
DESCO	25 LB	$54.48	79							79	
DUO-VIS	25 KG	$305.00	33							33	
FRESH WATER	1 GA	$0.05									
LIME	50 LB	$6.50	96							96	
M-I GEL	100 LB	$11.12									
M-I GEL BULK	1 TN	$198.00	25							25	
M-I WATE (BARITE)	50 LB	$9.80	466							466	
MIXING CHARGE WBM	1	$4.00		900	900	900	900				$3,600.00
MYACIDE GA25	5 GA	$277.93									
OFFSHORE ENGINEERING SERV	1	$900.00									
PAD MUD (WATERBASE)	1 BL	$47.50		900	900	900	900				$42,750.00
PALLETS	1	$17.00									
POLYPAC R	50 LB	$175.00	81							81	
POLY-PLUS	5 GA	$119.00	19							19	
SHRINK WRAPPING	1	$17.00									
SODA ASH	50 LB	$14.85	20							20	
SPERSENE	50 LB	$65.00									
TANNATHIN	50 LB	$12.50	56							56	

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MUD VOLUME ACCOUNTING
Daily Report

Operator : University of Texas **Date :** 5/16/2017
Well Name: OCS-G 30344 Hole H005 **Report No.:** 1

TANK	CAPACITY bbl	WEIGHT lb/gal	VOLUME bbl	REMARKS	CLASS	SUM of VOLUMES bbl	
Pit 1	190	16	158		Reserve		
Pit 2	190	16	171		Reserve	Reserve	1552
Pit 3	190	10.5	140		Pad Mud	Pad Mud	282
Pit 4	190	11.5	164		Kill Mud	Kill Mud	164
Pit 5	165	10.5	142		Pad Mud	Prehydrated Gel	
Pit 6	90	8.8			Prehydrated Gel	HI Vis Sweep	
Pit 7	90	8.8			HI Vis Sweep	Seawater	70
Pit 8	165	8.6			Seawater	Active	
Brine Tank 1	563	16	528		Reserve		
Brine Tank 2	773	16	676		Reserve		
Brine Tank 3	384						
Brine Tank 4	353	9	70		Seawater		
HOS Crockett	3000						
Pumps and Lines	50				Active		
Gerry Bordelon	1500		19		Reserve		
						Non Transactional Tank Volume bbl	
						Total Non Trans Volume	

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

VOLUME BALANCE (bbl) IN/TO:	ACTIVE	RESERVE	OTHER	TOTAL
Start Volume				
Oil Added				
Water Added			516	516
Vol Chem Added				
Total Volume Built			**516**	**516**
Received		1552		1552
Return				
Transfer In		1375	376	1751
Transfer Out		1375	376	1751
Daily Loss				
Final Volume		1552	516.0	**2068.0**

LOSS BREAKDOWN (bbl)	