



WATER-BASED MUD REPORT No.4

Operator :	University of Texas
Report For :	Tom Pettigrew
Well Name :	OCS-G 30344 Hole H005
Contractor/Rig:	Helix/Q4000
Report For :	David Cobb

Field/Area : Green Canyon
Description : Block 955
Location : Offshore
Water Depth : 6664
Log-It # :

Depth/TVD : 8151 ft/8151 ft
Date : 19-May-17
Spud Date :
Mud Type : WBM Other (M-I SWACO)
Activity : Coring

DRILLING ASSEMBLY	CASING	MUD VOLUME (bbl)		CIRCULATION DATA		
7946 ft, 5.875 in Bit		Hole	Active Pits	Pump Make	NOV HEX II	NOV HEX II
2 ft, 8.5 in Sub		295.6		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		295.2		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		50 ft		Pump Pressure	psi	
Nozzles 5x20 / x 1/32"		Volume Drilled Last 24 hr		Bottoms Up	0 min/ 0 stk	
9.875in		4.97 bbl		Total Circulation	0 min/ 0stk	

MUD PROPERTIES						PRODUCTS USED Last 24 hr		
Sample From		9.5 Pad Mud	9.5 Hi Vis Sweeps			Products	Size	Amount
FlowLine Temp	°F	80	80					
Depth/TVD	ft	8151 / 8151	8111 / 8111					
Mud Weight /Temp	lb/gal @ °F	9.5 @ 80	9.5 @ 80					
Funnel Viscosity	sec/qt	76	329					
Rheology Temp	°F	80	80					
R600/R300		43 / 28	48 / 36					
R200/R100		22 / 17	29 / 23					
R6/R3		7 / 6	16 / 14					
PV	cP	15	12					
YP	lbf/100ft²	13	24					
10s/10m/30m Gel		7 / 11 /	19 / 25 /					
API Fluid Loss	cc/30min	9.8						
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							
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	REMARKS
Rebuilt prehydrated Gel and sweeps as required. Adding Lime and PolyPlus and 16.0 ppg. mud to the 9.5 HI Vis Sweeps. Building Prehydrated Gel with Bulk Gel, Caustic Soda, and fresh water. Building 9.5 ppg. mud using the Hi Side Blender.	Performed core #4, #5, #6, #7 from 8,101'-8,141' using seawater and gel sweeps. Switched over to 9.5 ppg WBM and proceeded with core #8 from 8,141-8,151'.

TIME DISTRIBUTION Last 24 hrs		MUD VOL ACCTG (bbl)		SOLIDS ANALYSIS		RHEOLOGY & HYDRAULICS	
Drilling	4	Water Added	43	NaCl	%vol / lb/bbl	0.84 / 9.75	n
Coring Operations	10	Mud Received		KCl	%vol / lb/bbl	0 / 0	k
Circulating / Hole C	3	Mud Returned		Low Gravity	% / lb/bbl	4.81 / 43.8	Tauy
Rig Up / Tear Down	7	Other Subsurface	25	Bentonite	% / lb/bbl	0 / 0	Bit loss/%, psi/%
		Other Subsurface	38	Drill Solids	% / lb/bbl	/	Bit HHP/HIS
		Other Subsurface	82	Weight Material	% / lb/bbl	1.35 / 19.4	Jet Velocity, ft/s
		Other Subsurface	23	Chemical Conc	lb/bbl		Va Pipe, ft/min
				Inert/React			Va Collars, ft/min
				Average SG Solids		2.9	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	\$1,800.00	\$55,889.40
Karev Louviere	281-942-4001	klouviere@slb.com				



Wellsite Daily Cost

Daily Report No. 4

Operator : University of Texas

Date : 5/19/2017

Well Name : OCS-G 30344 Hole H005

Report No: 4

Location: Offshore

	Daily	Cumulative Interval	Cumulative Well
Engineering Charges:	\$1,800.00	\$5,400.00	\$7,200.00
Chemical cost:		\$2,339.40	\$48,689.40
Equipment:			
Screens:			
Total Daily Cost:	\$1,800.00	\$7,739.40	\$55,889.40
Daily Tax:			

Engineering Costs	Unit Price	Qty Charged		Daily Engineering Cost	Cumulative Engineering cost
		Daily	Cum		
OFFSHORE ENGINEERING SERV	\$900.00	2	8	\$1,800.00	\$7,200.00

Product Costs	Unit	Unit	Start	Daily	Cum	Daily	Cum	Daily	Cum.	Final	Daily
Inventory & Consumption	Size	Price	Amount	Used	Used	Rec'd	Rec'd	Return	Return	Stock	Cost
CAUSTIC SODA	50 LB	\$32.68	51		5					51	
DEFOAM X	5 GA	\$206.25	16							16	
DESCO	25 LB	\$54.48	79							79	
DUO-VIS	25 KG	\$305.00	30		3					30	
FRESH WATER	1 GA	\$0.05									
LIME	50 LB	\$6.50	94		2					94	
M-I GEL	100 LB	\$11.12									
M-I GEL BULK	1 TN	\$198.00	20		4.5					20	
M-I WATE (BARITE)	50 LB	\$9.80	466							466	
MIXING CHARGE WBM	1	\$4.00			900		900				
MYACIDE GA25	5 GA	\$277.93									
OFFSHORE ENGINEERING SERV	1	\$900.00									
PAD MUD (WATERBASE)	1 BL	\$47.50			900		900				
PALLETS	1	\$17.00									
POLYPAC R	50 LB	\$175.00	81							81	
POLY-PLUS	5 GA	\$119.00	16		3					16	
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	



A Schlumberger Company

MUD VOLUME ACCOUNTING

Daily Report

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

Date : 5/19/2017
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