

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 **Location**: Offshore Spud Date :

Contractor/Rig: Helix/Q4000 Report For: David Cobb Mud Type: WBM Other (M-I SWACO)
Activity: TIH Water Depth: 6664

Log-lt #: 254627

-201 ft. 5.875 in I			SING	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 S	Sub					Pump Liner x Stk	4.5x11.8in	4.5x11.8in	
120 ft, 8.5 in Drill Collar				Total Circu	lating Volume	Pump Capacity		4.87 gal/stk	
3 ft, 8.5 in Stabilizer					J	Pump stk/min		@100%	
30 ft, 8.5 in Drill Collar				Depth Drill	ed Last 24 hr	Flow Rate		gal/min	
3 ft, 8.5 in Stabilizer				ft				psi	
Nozzles x / x 1/32"				Volume Drilled Last 24 hr		Bottoms Up 0 min/			
9.875in				0 bbl		Total Circulation		min/ 0stk	
		MUD PROPERTIES				PRODUCTS	USED Last 24	hr	
Sample From		Pit #3 @ 13:00	Pit 7 Sweep @ 09:00			Products	Size	Amount	
lowLine Temp	°F					PAD MUD (WATERBASI	1 BL	2300	
Depth/TVD	ft								
/lud Weight /Temp	lb/gal @ °F	10.5 @ 80	8.8 @						
unnel Viscosity	sec/qt	61							
Rheology Temp	°F	80	80						
R600/R300		44 / 32	48 / 39						
R200/R100		27 / 21	34 / 27						
R6/R3		10/9	18 / 15						
Pγ	cP	12	9						
P	lbf/100ft ²	20	30						
0s/10m/30m Gel		11 / 15 /	16 / 19 /						
API Fluid Loss	cc/30min	6							
ITHP 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	
/IBT	lb/bbl	7.5							
H/Temp		8.2 @ 80				SOLIDS CONTROL EQUIPMENT L			
Alkal Mud (Pm)						Туре	Model/Size	Hrs Used	
Pf/Mf		0.1 / 0.5							
Chlorides	mg/L	18500							
łardness (Ca++)		2800							
					1				
	t								
						MUD PROPERTY SPECS min-max		Actual	
		_					-		
			 				-		
	REMARKS AN	ID TREATMENT	1			REMARKS	-		

initial spud in. Moved some chemicals near the pits.

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)		SC	SOLIDS ANALYSIS			RHEOLOGY & HYDRAULICS	
Rig Service	8.5	Water Added	, , , ,	NaCl	%vol / lb/bbl	0.83 / 9.7	n		
lake 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/9	%, psi/%	
				Drill Solids	% / lb/bbl	2.47 / 22.52	Bit HHP/	/HIS	
				Weight Material	% / lb/bbl	6.14 / 88.17	Jet Velo	city, ft/s	
				Chemical Conc	lb/bbl		Va Pipe,	ft/min	
				Inert/React		2.7	Va Colla	rs, ft/min	
				Average SG Solid	ds	3.6	CVa Pip	e, ft/min	
								lars, ft/min	
								Shoe, lb/gal	
							ECD at	ΓD, lb/gal	
/I-I Engineer	Phone	email		Whse Phone	Rig Phone	Daily co	st	Cumula	tive Cost
Begona Sanchez	281-942-4001	GLopez27@slb.com		985-303-6218	281-942-4001	\$444.0E0	\$404.050.00		
arev Louviere	281-942-4001	klouviere@slb.com		900-303-6218	201-942-4001	\$111,050.00		\$121,850.00	



TANNATHIN

Wellsite Daily Cost

Daily Report No. 4

Date: 5/9/2017

Report No: 4

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

50 LB

\$12.50

Location: Offshore

Daily **Cumulative Interval** Cumulative Well **Engineering Charges:** \$1,800.00 \$12,600.00 **Chemical cost:** \$109,250.00 \$109,250.00 \$109,250.00 **Equipment:** Screens: **Total Daily Cost:** \$109,250.00 \$111,050.00 **Daily Tax: Qty Charged** Unit **Engineering Costs Daily Engineering Cost Cumulative Engineering cost** Price Daily Cum **Product Costs** Unit Cum Unit Start Daily Cum Daily 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 60 60 60 DEFOAM X \$206.25 16 5 GA 16 16 DESCO 25 LB 80 80 80 DUO-VIS 25 KG \$305.00 70 70 70 FRESH WATER 1 GA \$0.05 LIME 50 LB 100 \$6.50 100 100 100 LB M-I GEL \$11.12 M-I GEL BULK \$198.00 1 TN 35 35 35 M-I WATE (BARITE) 50 LB 592 592 592 MYACIDE GA25 5 GA \$277.93 PAD MUD (WATERBASE) \$47.50 \$109,250.00 1 BL 2300 2300 2300 2300 PALLETS \$17.00 25 25 POLYPAC R 50 LB \$175.00 114 114 114 SHRINK WRAPPING 25 \$17.00 25 SODA ASH 50 LB \$14.85 20 20 20

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MUD VOLUME ACCOUNTING

Daily Report

Operator: University of Texas Date: 5/9/2017

Well Name: OCS-G 30344 Pilot Hole A Report No.: 4

TANK CAPACITY		WEIGHT VOLUME REMARKS			CLASS	SUM of VOLUMES bbl		
bbl		lb/gal	bbl			SUM OF VOLUMES DDI		
Pit 1	190	16	178		Reserve	Reserve	2043	
Pit 2	190	16	177		Reserve	Pad Mud	165	
Pit 3	190	10.5	165		Pad Mud	Kill Mud	164	
Pit 4	190	11.5	164		Kill Mud	Active		
Pit 5	165				Seawater	Prehydrated Gel		
Pit 6	90				Prehydrated Gel			
Pit 7	90				<u> </u>	Boat		
Pit 8	165	16	112		Reserve			
Brine Tank 1	563	16	533		Reserve	Seawater		
Brine Tank 2	773	16	743		Reserve	Dead Volume	34	
Brine Tank 3	384				Reserve			
Brine Tank 4	353	16	300		Reserve			
HOS Crockett	3000				Boat			
Pumps and Lines	50	10.5	34		Dead Volume			
						Non Transactional Tank	Volume bbl	
			 					
			 			Total Non Trans Volume		
							1	
							1	
							1	
		MUD IN UO						
		MUD IN HO ANNULUS	PIPE	BELOW BIT	TOTAL			
Total Hala Valuma		ANNULUS	PIPE	BELOW BIT	TOTAL		-	
Total Hole Volume Volume Not Mud			 					
Mud Volume								
wide volulie	V	OLUME RALA	NCE (bbl)			LOSS BDEAKDON	MN (bbl)	
		/OLUME BALANCE (bbl)		l		LOSS BREAKDOWN (bbl) Other Surface 116		
IN/TO:		ACTIVE	RESERVE	OTHER	TOTAL			
Start Volume			2077	445	2522			
Oil Added								
Water Added								
Vol Chem Added								
Total Volume Built								
Received								
Return								
Transfer In				34	34			
Transfer Out			34		34			
Daily Loss				116.0	116.00			
Final Volume			2043	363.0	2406.0			