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CORING RUN REPORT GENESIS OF METHANE IN THE GULF OF MEXICO (GoM^2)

DATE:	May 20, 2017	CORE:	13FB
TOOL ASSEMBLY TEAM:	VIRTUE RILEY		
BOTTOM CORE DEPTH (BELOW RIG FLOOR):	8,195 ft	BOTTOM HOLE PRESSURE:	3,634 psi
PRESSURE SECTION ASSEMBLY NUMBER:	2	AUTOCLAVE ASSEMBLY NUMBER:	2
UPPER ASSEMBLY NUMBER:	A	CATCHER KIT:	Basket/Rabbit 5" Extension 5" Extension
DST SERIAL NUMBERS:	LINER LENGTH ADJUSTER:	8421	RABBIT: 8417
NOTES:	DELTRIN RABBIT, MIDDLE BARREL MODIFIED WITH 3/8" HOLE, 11" FROM BOTTOM		

TOOL ASSEMBLY

BUILD CHECKLIST		AUTOCLAVE PRESSURE TEST	
PAWL POST HEIGHT (0.095-0.105")	COMPLETE	To test, pressurize assembled autoclave to 3000 psi (+/- 100 psi). Record this <i>INITIAL</i> pressure below. Wait five minutes to allow for acclimitization. During this time inspect for gross leakage of water or significant pressure drop. If leaks or pressure loss are observed, rectify and retest. At five	
SAMPLE VALVE CLOSED AND PORT PLUGGED	COMPLETE		
LINER/IT PLUG LENGTH (156.75")	COMPLETE		
SHUTOFF VALVE OPEN	COMPLETE		
SUPPLY VALVE OPEN	COMPLETE		
SET PRESSURE (CONFIRM WITH 3 TESTS):	4,071 psi	TEST 1	
RESERVOIR PRESSURE:	8,004 psi	DATE:	May 20, 2017
FILL VALVE CLOSED/PORT PLUGGED	COMPLETE	START TIME:	20:02
SET VALVE CLOSED/PORT PLUGGED	COMPLETE	START:	3,300 psi
DRAIN VALVE CLOSED/PORT PLUGGED	COMPLETE	END:	3,296 psi
TRANSDUCER BOX SHUNT SET	COMPLETE	TEST 2 (IF REQUIRED)	
TRANSDUCER BOX SHUNT VALUE	7043	DATE:	May 20, 2017
TOOL READY FOR RIG FLOOR	DATE: May 20, 2017	START TIME:	20:02
	TIME: 20:50	START:	3,290 psi
		END:	
		TOOL SENT TO RIG FLOOR	DATE: May 20, 2017
			TIME: 21:54
NOTES:			

CORING RUN

DATE:	May 21, 2017	TOOL DEPLOYMENT TIME:	22:10		
START DEPTH:	8,185 ft	END DEPTH:	8,193 ft		
CORING START TIME:	12:10	CORING END TIME:	12:24		
FLOW RATES	RUNNING IN:	1.5 bbl	DRILL PARAMETERS		
	CORING:	1.5-2.5 bbl			
	PULLING:	0 bbl			
	P.O.O.H.:	1.5 bbl			
	W.O.B.:	4 tons	R.P.M.:	60	
	COLD SHUCK:		R.O.P.:	34.3 ft/hr	
TIME PULLED ABOVE MUDLINE:	N/A	TIME IN:	1:34	TIME OUT:	2:22
TOTAL TIME IN HOLE:	#####	TIME ON DECK:		WEIGHT (MAX):	8,200 lbs
		TOTAL TIME CORING:		SPEED:	150.0 ft/min
NOTES:					

CORE TRANSFER & RECOVERY

RECEIVED FROM RIG FLOOR	DATE: May 21, 2017	TRANSDUCER PRESSURE:	2,806 psi
	TIME: 02:28		
SHUTOFF VALVE CLOSED	COMPLETE	PRESSURE DRAINED; DRAIN VALVE AND PORT CLOSED	COMPLETE
PLACED IN ICE BATH	DATE: May 21, 2017	TRANSFERRED TO PCATS	DATE: May 21, 2017
	TIME: 02:37		TIME: 12:32
SUCCESSFUL PRESSURIZED TRANSFER?	YES	TOTAL CORE RECOVERY:	5.8 ft
		RECOVERY PERCENTAGE:	72.16%
NOTES:			

POST-CORING TOOL ANALYSIS & REBUILD

OBSERVATIONS	NOTES	PRESSURE SECTION
BALL VALVE	CLOSED	RESERVOIR PRESSURE: 1,620 psi
LINER	INTACT	WATER ABOVE PISTON? NO
PAWLS	INTACT	WATER IN REGULATOR? NO
PAWL SPRING	INTACT	REBUILD REGULATOR? NO
NOTES:		