

# GEOTEK CORING Inc

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## [FINAL]CORING RUN REPORT GENESIS OF METHANE IN THE GULF OF MEXICO (GoM^2)

<b>DATE:</b>	May 15, 2017	<b>CORE:</b>	SEAWATER TEST 1FB
<b>TOOL ASSEMBLY TEAM:</b>	Riley, Virtue		
<b>BOTTOM CORE DEPTH (BELOW RIG FLOOR):</b>	1,090 ft	<b>BOTTOM HOLE PRESSURE:</b>	483 psi
<b>PRESSURE SECTION ASSEMBLY NUMBER:</b>	4	<b>AUTOCLAVE ASSEMBLY NUMBER:</b>	1
<b>UPPER ASSEMBLY NUMBER:</b>	A	<b>CATCHER KIT:</b>	Basket 5" Extension 5" Extension
<b>DST SERIAL NUMBERS:</b>	<b>LINER LENGTH ADJUSTER:</b>	8285	<b>RABBIT:</b> 8287
<b>NOTES:</b>			

### 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	<b>TEST 1</b>	
LINER/IT PLUG LENGTH (156.75")	COMPLETE		
SHUTOFF VALVE OPEN	COMPLETE	<b>DATE:</b>	May 15, 2017
SUPPLY VALVE OPEN	COMPLETE	<b>START TIME:</b>	19:48
SET PRESSURE (CONFIRM WITH 3 TESTS):	899 psi	<b>INITIAL:</b>	3,100 psi
RESERVOIR PRESSURE:	1,973 psi	<b>START:</b>	3,090 psi
FILL VALVE CLOSED/PORT PLUGGED	COMPLETE	<b>END:</b>	3,056 psi
SET VALVE CLOSED/PORT PLUGGED	COMPLETE	<b>TEST 2 (IF REQUIRED)</b>	
DRAIN VALVE CLOSED/PORT PLUGGED	COMPLETE	<b>DATE:</b>	
TRANSDUCER BOX SHUNT SET	COMPLETE	<b>START TIME:</b>	
TRANSDUCER BOX SHUNT VALUE	7043	<b>END:</b>	
<b>TOOL READY FOR RIG FLOOR</b>	<b>DATE:</b> May 15, 2017 <b>TIME:</b> 21:15	<b>TOOL SENT TO RIG FLOOR</b>	<b>DATE:</b> May 16, 2017 <b>TIME:</b> 06:15
<b>NOTES:</b>			

### CORING RUN

<b>DATE:</b>	May 16, 2017	<b>TOOL DEPLOYMENT TIME:</b>	06:40
<b>START DEPTH:</b>	1,090 ft	<b>END DEPTH:</b>	1,090 ft
<b>CORING START TIME:</b>	N/A	<b>CORING END TIME:</b>	N/A
<b>ANTICIPATED RECOVERY:</b>	0.00 ft		
<b>FLOW RATES</b>	<b>RUNNING IN:</b>	10 spm	<b>DRILL PARAMETERS</b>
	<b>CORING:</b>	N/A	<b>W.O.B.:</b>
	<b>PULLING:</b>	0 spm	<b>R.P.M.:</b>
	<b>P.O.O.H.:</b>	10 spm	<b>R.O.P.:</b>
<b>COLD SHUCK:</b>	N/A	<b>TIME IN:</b>	N/A
<b>WIRELINE PULLOUT</b>	<b>WEIGHT (MAX):</b>	1,800 lbs	
<b>TIME PULLED ABOVE MUDLINE:</b>	N/A	<b>SPEED:</b>	350.0 ft/min
<b>TIME ON DECK:</b>	08:00		
<b>TOTAL TIME IN HOLE:</b>	1:20:00	<b>TIME OUT:</b>	N/A
<b>TOTAL TIME CORING:</b>	#VALUE!		
<b>NOTES:</b> High starting pump rate of 11 barrels/min. at 10 SPM to start run. During removal from drill string, tool was severely strained			

### CORE TRANSFER & RECOVERY

<b>RECEIVED FROM RIG FLOOR</b>	<b>DATE:</b> May 16, 2017 <b>TIME:</b> 08:37	<b>TRANSDUCER PRESSURE:</b>	55 psi
<b>SHUTOFF VALVE CLOSED</b>	COMPLETE	<b>PRESSURE DRAINED; DRAIN VALVE AND PORT CLOSED</b>	COMPLETE
<b>PLACED IN ICE BATH</b>	<b>DATE:</b> N/A <b>TIME:</b> N/A	<b>TRANSFERRED TO PCATS</b>	<b>DATE:</b> N/A <b>TIME:</b> N/A
<b>SUCCESSFUL PRESSURIZED TRANSFER?</b>	NO	<b>TOTAL CORE RECOVERY:</b>	0.0 ft
<b>NOTES:</b>		<b>RECOVERY PERCENTAGE:</b>	
Upon tool arrival at service unit, water observed dripping from middle barrel around OD of QLS pin. This is mostly ascribed			

### POST-CORING TOOL ANALYSIS & REBUILD

OBSERVATIONS	NOTES	PRESSURE SECTION
BALL VALVE	CLOSED	RESERVOIR PRESSURE: 609 psi
LINER	INTACT	WATER ABOVE PISTON? NO
PAWLS	INTACT "scale" behind pawls and in seal sub	WATER IN REGULATOR? NO
PAWL SPRING	INTACT	REBUILD REGULATOR? YES
<b>NOTES:</b> lots of "scale/cement?" between shoe and ball follower, should have been clean since it's the 3rd water test		