

# GEOTEK CORING Inc

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

<b>DATE:</b> May 16, 2017		<b>CORE:</b> 1FB	
<b>TOOL ASSEMBLY TEAM:</b> Riley, Suhonen, Virtue			
<b>BOTTOM CORE DEPTH (BELOW RIG FLOOR):</b> 7,655 ft		<b>BOTTOM HOLE PRESSURE:</b> 3,394 psi	
<b>PRESSURE SECTION ASSEMBLY NUMBER:</b> 1		<b>AUTOCCLAVE ASSEMBLY NUMBER:</b> 1	
<b>UPPER ASSEMBLY NUMBER:</b> A		<b>CATCHER KIT:</b> Basket/Rabbit   5" Extension   5" Extension	
<b>DST SERIAL NUMBERS:</b>		<b>LINER LENGTH ADJUSTER:</b> 8282	
<b>NOTES:</b> problems landing in BHA SWITCHED TO UPPER B		<b>RABBIT:</b> 8280	

### 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	<b>DATE:</b> May 16, 2017	<b>INITIAL:</b> 3,258 psi
SHUTOFF VALVE OPEN	COMPLETE	<b>START TIME:</b> 2135	<b>START:</b> 3,249 psi
SUPPLY VALVE OPEN	COMPLETE		<b>END:</b> 3,234 psi
SET PRESSURE (CONFIRM WITH 3 TESTS):	4,063 psi	<b>TEST 2 (IF REQUIRED)</b>	
RESERVOIR PRESSURE:	8,040 psi	<b>DATE:</b>	<b>INITIAL:</b>
FILL VALVE CLOSED/PORT PLUGGED	COMPLETE	<b>START TIME:</b>	<b>START:</b>
SET VALVE CLOSED/PORT PLUGGED	COMPLETE		<b>END:</b>
DRAIN VALVE CLOSED/PORT PLUGGED	COMPLETE	<b>DATE:</b>	<b>INITIAL:</b>
TRANSDUCER BOX SHUNT SET	COMPLETE	<b>START TIME:</b>	<b>START:</b>
TRANSDUCER BOX SHUNT VALUE	7043		<b>END:</b>
<b>TOOL READY FOR RIG FLOOR</b>	<b>DATE:</b> May 17, 2017	<b>TOOL SENT TO RIG FLOOR</b>	<b>DATE:</b> May 17, 2017
	<b>TIME:</b> 09:35		<b>TIME:</b> 1422
<b>NOTES:</b> DELAY IN CORING DUE TO UPPER MAINTENENCE. LATCHES CLEANED AND SENT BACK TO FLOOR 2030			

### CORING RUN

<b>DATE:</b> May 17, 2017		<b>TOOL DEPLOYMENT TIME:</b> 20:37		
<b>START DEPTH:</b> 7,645 ft	<b>END DEPTH:</b> 7,655 ft	<b>ANTICIPATED RECOVERY:</b> 10.00 ft		
<b>CORING START TIME:</b> 22:24		<b>CORING END TIME:</b> 22:33		
<b>FLOW RATES</b>	<b>RUNNING IN:</b> 1.75 BPM	<b>DRILL PARAMETERS</b>		<b>WIRELINE PULLOUT</b>
	<b>CORING:</b> 2 BPM	<b>W.O.B.:</b> 6 tons	<b>R.P.M.:</b> 60	<b>WEIGHT (MAX):</b> 7,000 lbs
	<b>PULLING:</b> 0 spm		<b>R.O.P.:</b> 66.7 ft/hr	<b>SPEED:</b> 470.0 ft/min
	<b>P.O.O.H.:</b> 1.75 BPM	<b>COLD SHUCK:</b> TIME IN: 23:20		<b>TIME OUT:</b> 23:40
<b>TIME PULLED ABOVE MUDLINE:</b> 23:00		<b>TIME ON DECK:</b> 23:18		
<b>TOTAL TIME IN HOLE:</b> 2:41:00		<b>TOTAL TIME CORING:</b> 0:09:00		
<b>NOTES:</b>				

### CORE TRANSFER & RECOVERY

<b>RECEIVED FROM RIG FLOOR</b>	<b>DATE:</b> May 17, 2017	<b>TRANSDUCER PRESSURE:</b> 4,115 psi
	<b>TIME:</b> 23:47	
<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> May 17, 2017	<b>TRANSFERRED TO PCATS</b> <b>DATE:</b> 2017-05-18
	<b>TIME:</b> 23:59	<b>TIME:</b> 00:45
<b>SUCCESSFUL PRESSURIZED TRANSFER?</b> YES		<b>TOTAL CORE RECOVERY:</b> 7.1 ft
		<b>RECOVERY PERCENTAGE:</b> 71.20%
<b>NOTES:</b>		

### POST-CORING TOOL ANALYSIS & REBUILD

OBSERVATIONS		NOTES	PRESSURE SECTION	
BALL VALVE	CLOSED		<b>RESERVOIR PRESSURE:</b>	1,877 psi
LINER	INTACT		<b>WATER ABOVE PISTON?</b>	NO
PAWLS	INTACT		<b>WATER IN REGULATOR?</b>	NO
PAWL SPRING	INTACT		<b>REBUILD REGULATOR?</b>	NO
<b>NOTES:</b>				