

# GEOTEK CORING Inc

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

DATE:	May 13, 2017	CORE:	5CS
TOOL ASSEMBLY TEAM:	Virtue, Suhonen, Riley		
BOTTOM CORE DEPTH (BELOW RIG FLOOR):	8,102 ft	BOTTOM HOLE PRESSURE:	3,593 psi
PRESSURE SECTION ASSEMBLY NUMBER:	1	AUTOCLAVE ASSEMBLY NUMBER:	2/BV2
UPPER ASSEMBLY NUMBER:	B	CATCHER KIT:	Basket   5" Extension   5" Extension
DST SERIAL NUMBERS:	LINER LENGTH ADJUSTER:	8421	RABBIT:
NOTES:			

### 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):	3953	TEST 1	
RESERVOIR PRESSURE:	8212	DATE:	May 13, 2017
FILL VALVE CLOSED/PORT PLUGGED	COMPLETE	START TIME:	13:34
SET VALVE CLOSED/PORT PLUGGED	COMPLETE	INITIAL:	3,106 psi
DRAIN VALVE CLOSED/PORT PLUGGED	COMPLETE	START:	3,065 psi
TRANSDUCER BOX SHUNT SET	COMPLETE	END:	3,030 psi
TRANSDUCER BOX SHUNT VALUE	7043	TEST 2 (IF REQUIRED)	
TOOL READY FOR RIG FLOOR	DATE:	TOOL SENT TO RIG FLOOR	DATE:
	May 13, 2017		May 13, 2017
	TIME:		TIME:
	17:36		17:36
NOTES: 1q(??)			

### CORING RUN

DATE:	May 13, 2017	TOOL DEPLOYMENT TIME:	17:49							
START DEPTH:	8,092 ft	ANTICIPATED RECOVERY:	10.00 ft							
CORING START TIME:	19:44	CORING END TIME:	20:00							
FLOW RATES	RUNNING IN:	10 spm	DRILL PARAMETERS	WIRELINE PULLOUT						
	CORING:	50 to 20 spm	W.O.B.:	10 to 8 tons	R.P.M.:	60	R.O.P.:	N/A	WEIGHT (MAX):	not recorded
	PULLING:	N/A	COLD SHUCK:	N/A	TIME IN:	N/A	TIME OUT:	N/A	SPEED:	not recorded
	P.O.O.H.:	N/A	TIME PULLED ABOVE MUDLINE:	N/A	TIME ON DECK:	22:30				
TOTAL TIME IN HOLE:	4:41:00	TOTAL TIME CORING:	N/A	pumps 10 spm approach then cutting with 50... too fast, kept dropping 40, 30, 20... last 3 ft at 20 spm						
NOTES: 2 hours spent pulling tool out of BHA; 2 tension washes at 50spm. Drilled with 10.5 lb/gal mud										

### CORE TRANSFER & RECOVERY

RECEIVED FROM RIG FLOOR	DATE:	2017-05-13	TRANSDUCER PRESSURE:	0 psi	
	TIME:	23:20			
SHUTOFF VALVE CLOSED	COMPLETE	PRESSURE DRAINED; DRAIN VALVE AND PORT CLOSED	COMPLETE		
PLACED IN ICE BATH	DATE:	N/A	TRANSFERRED TO PCATS	DATE:	N/A
	TIME:	N/A		TIME:	N/A
SUCCESSFUL PRESSURIZED TRANSFER?	NO	TOTAL CORE RECOVERY:	3.3 ft		
		RECOVERY PERCENTAGE:	32.80%		
NOTES:					

### POST-CORING TOOL ANALYSIS & REBUILD

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