

GEOTEK CORING Inc

3738 West 2340 South, Suite C
West Valley City, Utah 84120

1-385-528-2536

info@geotekcoring.com

www.geotekcoring.com



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

DATE:	May 11, 2017	CORE:	1CS
TOOL ASSEMBLY TEAM:	Mimitz, Curry, Selman (AUTOCLAVE); Riley, Suhonen, Virtue (PRESSURE SECTION)		
BOTTOM CORE DEPTH (BELOW RIG FLOOR):	8,072 ft	BOTTOM HOLE PRESSURE:	3,556 psi
PRESSURE SECTION ASSEMBLY NUMBER:	4	AUTOCLAVE ASSEMBLY NUMBER:	1
UPPER ASSEMBLY NUMBER:	A	CATCHER KIT:	Basket/Rabbit 5" Extension 5" Extension
DST SERIAL NUMBERS:	LINER LENGTH ADJUSTER:	C8285	RABBIT: C8280
NOTES:	IT/SEAL SUB 3		

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):	4030	TEST 1	
RESERVOIR PRESSURE:	8122	DATE:	May 11, 2017
FILL VALVE CLOSED/PORT PLUGGED	COMPLETE	START TIME:	10:42
SET VALVE CLOSED/PORT PLUGGED	COMPLETE	INITIAL:	3,005 psi
DRAIN VALVE CLOSED/PORT PLUGGED	COMPLETE	START:	2,992 psi
TRANSDUCER BOX SHUNT SET	COMPLETE	END:	2,972 psi
TRANSDUCER BOX SHUNT VALUE	7043	TEST 2 (IF REQUIRED)	
TOOL READY FOR RIG FLOOR	DATE: May 11, 2017	DATE:	
	TIME: 15:15	START TIME:	
		INITIAL:	
		START:	
		END:	
		TOOL SENT TO RIG FLOOR	DATE: May 12, 2017
			TIME: 03:15
NOTES:			

CORING RUN

DATE:	May 12, 2017	TOOL DEPLOYMENT TIME:	06:15	
START DEPTH:	8,062 ft	END DEPTH:	8,072 ft	
CORING START TIME:	07:45	CORING END TIME:	08:39	
ANTICIPATED RECOVERY:	10.00 ft			
FLOW RATES	RUNNING IN:	10 spm	DRILL PARAMETERS	
	CORING:	18 spm	W.O.B.:	2-6 tons
	PULLING:	0 spm	R.P.M.:	50
	P.O.O.H.:	1 bbl/min	R.O.P.:	11.1 ft/hr
	COLD SHUCK:	TIME IN:	9:20	WIRELINE PULLOUT
		TIME OUT:	9:42	WEIGHT (MAX):
TIME PULLED ABOVE MUDLINE:	08:59	TIME ON DECK:	09:15	SPEED:
TOTAL TIME IN HOLE:	3:00:00	TOTAL TIME CORING:	0:54:00	350.0 ft/min
NOTES: Initial flow rate of 2 bbl/min; increased to 2.5 bbl/min at 8263.5' depth; increased to 3 bbl/min at 8624' depth. Witness marks				

CORE TRANSFER & RECOVERY

RECEIVED FROM RIG FLOOR	DATE: May 12, 2017	TRANSDUCER PRESSURE:	55 psi
	TIME: 09:55		
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:	2.6 ft
		RECOVERY PERCENTAGE:	26.26%
NOTES: Failed run. Tool arrived on deck with			

POST-CORING TOOL ANALYSIS & REBUILD

OBSERVATIONS	NOTES	PRESSURE SECTION	
BALL VALVE	CLOSED	RESERVOIR PRESSURE:	Unknown
LINER	INTACT	WATER ABOVE PISTON?	NO
PAWLS	INTACT	WATER IN REGULATOR?	NO
PAWL SPRING	INTACT	REBUILD REGULATOR?	NO
NOTES: Unexpected pressure inside middle barrel.			