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

DATE:	May 12, 2017	CORE:	3CS	
TOOL ASSEMBLY TEAM:	Riley, Suhonen, Virtue			
BOTTOM CORE DEPTH (BELOW RIG FLOOR):	8,082 ft	BOTTOM HOLE PRESSURE:	3,584 psi	
PRESSURE SECTION ASSEMBLY NUMBER:	4	AUTOCLAVE ASSEMBLY NUMBER:	2	
UPPER ASSEMBLY NUMBER:	A	CATCHER KIT:	Basket/Rabbit 5" Extension 5" Extension	
DST SERIAL NUMBERS:	LINER LENGTH ADJUSTER:	8410	RABBIT:	8415
NOTES:	IT PLUG/SEAL SUB3			

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	
SAMPLE VALVE CLOSED AND PORT PLUGGED	COMPLETE	this time inspect for gross leakage of water or significant pressure	
LINER/IT PLUG LENGTH (156.75")	COMPLETE	drop. If leaks or pressure loss are observed, rectify and retest. At five	
SHUTOFF VALVE OPEN	COMPLETE	TEST 1	
SUPPLY VALVE OPEN	COMPLETE	DATE:	May 12, 2017
SET PRESSURE (CONFIRM WITH 3 TESTS):	3900	INITIAL:	3,060 psi
RESERVOIR PRESSURE:	8175	START TIME:	1855
FILL VALVE CLOSED/PORT PLUGGED	COMPLETE	END:	3,030 psi
SET VALVE CLOSED/PORT PLUGGED	COMPLETE	TEST 2 (IF REQUIRED)	
DRAIN VALVE CLOSED/PORT PLUGGED	COMPLETE	DATE:	
TRANSDUCER BOX SHUNT SET	COMPLETE	START TIME:	
TRANSDUCER BOX SHUNT VALUE	7043	END:	
TOOL READY FOR RIG FLOOR	DATE:	May 12, 2017	TOOL SENT TO RIG FLOOR
	TIME:	2030	DATE:
			May 12, 2017
			TIME:
			2030
NOTES:	NO SEAL IN MIDDLE BARREL		

CORING RUN

DATE:	May 12, 2017	TOOL DEPLOYMENT TIME:	20:32				
START DEPTH:	8,082 ft	END DEPTH:	8,092 ft				
CORING START TIME:	22:24	CORING END TIME:	23:14				
		ANTICIPATED RECOVERY:	10.00 ft				
FLOW RATES	RUNNING IN:	10 spm	DRILL PARAMETERS				
	CORING:	4-4.5 bpm					
	PULLING:	0 spm					
	P.O.O.H.:	10 spm					
	W.O.B.:	5-15	R.P.M.:	60	R.O.P.:	15.0 ft/hr	WIRELINE PULLOUT
	COLD SHUCK:	TIME IN:	N/A	TIME OUT:	N/A		
	TIME PULLED ABOVE MUDLINE:	Unknown	TIME ON DECK:	03:15			
	TOTAL TIME IN HOLE:	4:21:00	TOTAL TIME CORING:	0:50:00			
NOTES:	Failed run. Extremely difficult pull. Resorted to emergency pulling procedure. Successfully pulled using emergency tool after						

CORE TRANSFER & RECOVERY

RECEIVED FROM RIG FLOOR	DATE:	2017-05-12	TRANSDUCER PRESSURE:	0 psi	
	TIME:	03:15			
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:	1.6 ft		
NOTES:		RECOVERY PERCENTAGE:	15.70%		

POST-CORING TOOL ANALYSIS & REBUILD

OBSERVATIONS	NOTES	PRESSURE SECTION	
BALL VALVE	OPEN	RESERVOIR PRESSURE:	Unknown
LINER	INTACT	WATER ABOVE PISTON?	NO
PAWLS	INTACT	WATER IN REGULATOR?	NO
PAWL SPRING	INTACT	REBUILD REGULATOR?	NO
NOTES:	Severely deformed release sleeve.		