OCEAN DRILLING PROGRAM OPERATIONS INFO

(Listed by legs in chronological order)

in. = inches

Leg	Hole	Leg	Date	Reentry	Casing	Known Problems
		Name	Leg	Structure	OD/ID	(i.e., Junk in Hole)
			Started		(in.)	(,,
100		NE GOM	01/85	R/E cone	16	Shakedown leg of ship. New core orientation system
100	26	°22.7'N 79°08.8		left?	2 jts	successfully deployed-system based on Eastman-
						Whipstock Magnetic Multishot tool. Tested R/E csg.
101		Bahamas				1st scientific voyage of JR-continuation of ongoing
						effort begun during DSDP & a test of the newly
						modified ship.
102A	418A	Bermuda	03/85	R/E Cone	16	DSDP set R/E cone and casing in 1977. Packoff assy.
		Rise				in R/E Cone throat
103	638C	Galicia	04/85	R/E Cone	16	
		Margin			-	
104	642E	Norwegian	06/85	R/E Cone	16	lst dual casing reentry of ODP
		Sea			11-3/4	
105	645E	Baffin Bay	08/85	R/E cone	16	Hole left filled with weighted polymer mud
103	043E	& Labrador	00/03	N/E COILE	10	Hole left filled with weighted polymer mad
		Sea				
106	648B	Bare Rock	11/85	HRGB	16	Objective in PRT stated "testing and evaluating a
(also 109.		Drilling in		nbaled R/E c	_	number of new "bare rock" drilling techniques. Ops
		-Atlantic Rift Va				report said they tested the hard rock spud system. PRT
			-	hole left w/		Ops rept also said tested bare rock spud w/o guide
				cement drilled out		structure or bit containment-only lowermost 30-40'
				to 3363 m		rotates. First use of VIT?
107				10 0000		
101						
108		NW Africa	02/86			New style liner seal sub tested drawing SK 0084;
						logging side entry sub was introduced for 1st time in
						deep ocean riserless logging-test was successful; prototype FFF deployed & successfully reentered; new
						core recovery of 3841 m-exceeded old record by DSDP
						Leg 90; ship traveled 5607 nmi-greatest distance
						between ports since launch in 1978
109	648B	Bare Rx Drilling	04/86	R/E Cone	16	Added 10-3/4 in. casing & deepened Hole 648B cored
also 106		in Mid-Atlantic			10-3/4	on Leg 106; stuck pipe problems; Junk: Lost 1 X 9-7/8"
		Ridge Rift Valle	у			bit cone; 1st use of hard rock guide base.
110	687C	Barbados	06/86	FFF w/		1st penetration of decollement zone; tested Barynes-
	671B	Ridge	6	ft of 13-3/8 c	sg	Uyeda Heat Flow tool on XCB; Von Herzen temp tool
						deployed on alternating APC cores; core orientation multishot equip. deployed on each APC coring run;
						area cored on DSDP Leg 78 w/ RCB-many hole
						problems; packer test at H 671C, D
111	504P	Costo Bios	00/06	D/E cons		Dognand (212.2 m) 8 logged Hala FOAR (4 DODD
111	504B	Costa Rica Rift	08/86	R/E cone DSDP		Deepened (212.3 m) & logged Hole 504B (4 DSDP legs visited hole: 69, 70, 83, 92); R/E cone set by
		TAIL		סטו		DSDP; ODP milled hole first; ran packer permeability
						tests; junk left in hole after fishing attempts
					l	

Leg	Hole	Leg	Date	Reentry	Casing	Known Problems
		Name	Leg	Structure	OD/ID	(i.e., Junk in Hole)
			Started		(in.)	,
115		Mascarene	05/87	fff-713A		1st leg in Indian Ocean (1st of 9 planned); 1st mention
		Plateau				of using WSTP that I found.
116		Bengal Fan	07/87	fff-718E		_
						-
117		Oman	08/87			New recovery record-4367 m-3000 m recovered w/
		Margin	00/01			XCB. New XCB bit seal (pollypack) system was tested
						and used successfully
118	735B	SW Indian	10/87	HRGB		Record core depth and core recovery in hard rock-no
		Ridge				numbers given in section
119		Kerguelen-	12/87	fff-740A		
		Pryzd Bay	fff	-742A but P8	&A	
120		Central	02/88	fff-748C		2nd FFF set at hole 749C; medical emergency, heart
		Kerguelen Plateau		anned R/E b		attack- Lamar Hayes died during the leg
121	+	Broken Ridge	04/88	st not have u fff-752B	Seu	Medical evacuation
121		& 90 E. Ridge	04/00	111-7 320		iviedical evacuation
		a co E. raago				
122	763B	Exmouth	06/88	R/E cone	16	deepest xcb penetration in ODP history - 940 mbsf-
		Plateau		FFF-762C		Hole 762C; lost logging tool in 762C, P&A junk left in
						hole 763B, P&A
123	765D	Exmouth	08/88	R/E cone	16	Dropped two 3/8 in. bolts in hole.
		Plateau			11-3/4	_
124		Celebes &	11/88	fff?-767B		2 medical evacuations; FFF dropped at hole 768C to
		Sulu Seas		fff-768C		do hydrofrac experiment; 2nd medivac did not allow for
				fff-770C		hydrofrac experiment. 1st Eng. PRT
124E		Philippine Sea	01/89	111 7700		Engineering leg to test: prototype of DCS, modified
			0.700			navidrill core barrel (NCB) system, phase 1 of the PCS,
						redesigned XCB core barrel, coring techniques in deep-
						water chert sequences, and logging technology
						developed at LDEO. Results of tests were mixed.
125	1	Bonin/Mariana	02/89	FFF-779A		Used redesigned XCB core barrel tested on Leg 124E
			02,00			
126	793B	Bonin Arc-	04/89	R/E cone	16	Tested prototype set of Hydrolex mechanical jars-was
		Trench			11-3/4	able to free pipe; but was lost in the second of three
						pipe severs; maiden voyage of FMS was successful; Hole 793B was deepest hole ever cored into basement
						under DSDP or ODP operations (1682 mbsf)
127	794C	Japan Sea	06/89	R/E cone	16	Left BHA in 794C w/ plans to fish on Leg 128 w/ special
121	, 540	Jupan Jea	00/00	TVE OUTE	11-3/4	equipment; pipe failure lost BHA during trip to spud
	797C			D/E conc		Hole 795B; tested sonic core monitor
	7970			R/E cone	16	

Leg	Hole	Leg	Date	Reentry	Casing	Known Problems
		Name	Leg	Structure	OD/ID	(i.e., Junk in Hole)
			Started		(in.)	
128	799B	Japan Sea	08/89	R/E cone	16	Special sterile sampling techniques were used to
	794D			R/E cone	11-3/4 16 & 11- 3/4	quantify the role of bacteria in diagenesis by measuring their activity and biomass distribution with depth in sediments at Hole 798A; flaw in fish drill pipe and heave caused DP failure so additional fish in holedid not recover either fish from Hole 794C so drilled Hole 794D, set R/E cone, installed a seismometer @ 715 mbsf; used new style of R/E cone for H 794D; 1st use of improved 9-7/8 tungsten carbide button bit-no damage shown after 21-1/2 hrs of rough drilling; real-time downhole measurements made w/ recently installed borehole seismometer (RV Tansei Maru) at 794D. Hole 799B had indications of hydrocarbons.
129	801C	Old Pacific	11/89	R/E cone	16	Hole left open 112 m below 2nd csg string; 1st Jurassic
		Crust			11-3/4	samples ever recovered from Pacific (oldest oceanic sedimentary and basement rocks [site 801-Middle Jurassic-1st in situ Jurassic basement]); deepest water (5969.0 m) ODP operated to date at Site 802; wireline cable broke and VIT fell to seafloor-not in R/E cone
130	807C	Ontong Java	01/90	R/E cone	16	The new stronger APC piston-rod assembly (1st two
		Plateau			11-3/4	holes) and APC breakaway piston head (BPH; 2nd hole) were used without incident. The APC BPH parted in the top thread in Hole 803C with 100,000 lb of overpull. The BPH piston also came off in cores in Hole 804C. Testing of APC equipment in Hole 805B went well. First known reentry of a FFF using the through the drill pipe slimline sonar tool. The sonic core monitor was tested in Hole 806B-target jammed in the liner support sleeve. SCM electronics appear to work properly and showed blockage occurred during the first part of coring. 1st air drop in ODP history-2/20/90. New style reentry cone used in hole 807C. 1st R/E cone unjayed due to surge affects and sunk. 2nd R/E cone run. Junk left in Hole 807C.
				fff Hole 803D)	
131	808E	Nankai	03/90	R/E cone	11-3/4	BHA severed in Hole 808A. Planned to set a R/E cone
	808D	Trough		fff Hole 808B	16	in 808A, but lost hole. Lost lithoporosity logging tool in 808B. Hole cemented. 11-3/4 csg set in Hole 808C w/ DIC-first successful deployment of DIC. Hole 808C was filled with mud. Lost 11-3/4 csg in Hole 808D, abandoned hole. Hole 808E was retry of 808D. It looks like they only ran 11-3/4 csg in 808E (no info on csg run w/ R/E cone). Performed VSP and TAM drillstring packer experiments (didn't seem to go well). Tried to deploy ONDO thermistor array but stopped inside BHA @ 4660 mbrf. Hole 808F-special tool measurements: LAST tool deployed, WSTP temp probe deployed, PCS unsuccessfully deployed, broken XCB cutting shoe ended drilling. Hole 808G ran WSTP (tools flooded with water); PCS recovered 0.49 m of pressurized core. LAST tool deployed. Dropped beacon in case Leg 132 had time to deploy ONDO tool.

Hole	Lea	Date	Reentry	Casing	Known Problems
	Name	Leg	Structure	OD/ID	(i.e., Junk in Hole)
		Started		(in.)	,
809F	Western &	06/90	HRGB		2nd Eng. PRT. Successfully emplaced ONDO tool in
	Central				Hole 808E from Leg 131. Test Phase II of DCS, a new
	Pacific				drill-in bottom hole assembly (DI-BHA) (later called DIC?), and a new hard rock base (HRB) seafloor
					structure for bare rock spudding. Feasibilty testing of
					DCS successful. DCS drilled and cored in fractured
					crustal material as well as mantaining stable hole
					conditions in formations thought undrillable. HRGB installed at H 809C but cone did not have enough
					syntactic foam to keep it upright. Eventually they
					retrieved the cone and hard rock base to reuse at Hole
					809D. Again HRGB retrieved and moved to H 809E,
					basalt was undercut and based tilted too much. Retrieved and moved to Hole 809F. First successful
					bare-rock drilling/coring of basalt at an active
					sumbarine volcanic rift.
810D		06/90	R/E cone		Csg hanger wedged in R/E cone. DI-BHA fell through the R/E cone into sediment below. DI-BHA was
					retrieved. So R/E cone sitting on surface but no csg
	. 231110				set.
	NE Australian	08/90			1st operational use of new vibra-percussive corer
	Margin				(VPC) and 1st use of new conical side-entry sub
					(CSES) was successful. Severed pipe @ Hole 824A.
843B		02/91	R/E cone	16	1st permanent seismic observatory for OSN-installed
					later. Successfully tested prototype of CORK or borehole seal (set & removed), which was to be
					25.5 Coal (ost a foliaroa), which was to be
0E7D			D/E cons		CORK set in both balos
					CORK set in both holes
			-		
	809F	809F Western & Central Pacific 810D Western & Central Pacific NE Australian Margin 843B	Name Leg Started	Name	Name

Leg	Hole	Leg	Date	Reentry	Casing	Known Problems
9		Name	Leg	Structure	OD/ID	(i.e., Junk in Hole)
			Started		(in.)	(, , , , , , , , , , , , , , , , , , ,
142						
143						
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144						
145						
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146						
147	894C	Hess Deep	11/92	HRB		Recovered Scripps OBS lost 9 months earlier to
177	894G	71033 Deep	11/32	HRB	13-3/8	retrieve battery and data disk. 1st field test of Dril-Quip
					10-3/4	running tools (20/16 in. and 13-3/8 and 10-3/4 in.). The
						HRB deployed at Hole 894C was 3-legged. HRB was mispositioned and toppled over. Ops Manger wrote
						thought HRB could be salvaged in future. Hole 894G
						had trouble getting csg strings in. Unstable hole led to
						high torque and drag problems. Hole angle increased
				fff-Hole		with depth. Removed 10-3/4 in csg later to retrieve FMS and removed HRB and 13-3/8 in. csg.
				895D		Time and removed this did to ove his edg.
148	896	Hole 504B	01/93	R/E cone	16	Returned to Hole 504B. Pipe was stuck, had to sever
					11-3/4	pipe. While waiting on fishing tools, cored 2nd site. Set
						R/E cone 6 jts 16 in. csg &13 jts of 11-3/4 csg. Fish was retrieved from Hole 504B. Ran 3 milling runs and
						lost more jar and BHA in hole. Retrieved 2nd fish but
						left junk in hole. Milling ops should be able to clean
						hole.
149	899B	I beria Abyssal	03/93	R/E cone	16	Lost 3.34 km of DP at Hole 898B. Hole conditions
		Plain		fff-897C	11-3/4	terminated, pipe stuck, terminated coring after pulling free w/ difficulty.
150				111-0970		ince w/ dimedity.
100						
151						
152						
153						
	-					
154						
107						
155						

Leg	Hole	Leg	Date	Reentry	Casing	Known Problems
9		Name	Leg	Structure		(i.e., Junk in Hole)
			Started	uotui o	(in.)	(····, - •···· ··· ··· ··· ··· ·· ·· ·· ·· ·· ··
156	948D	N. Barbados	05/94	CORK	,	1st & 2nd triple-csg-string reentry installations; 1st use
	949D	Ridge		CORK		of underreamers to open hole diameter below csg; 1st
						use of downhole fluid motor to advance csg while drilling; 1st setting of a mechanical-set packer (bridge plug); 1st use of (stingerless) subsea release cement plug system; 1st use of a mechanical seal to close a csg/csg annulus; 1st use of screened csg to isolate an
						unstable frm interval; 1st use of hydrostatic "kill" methods to achieve instrument emplacement; 1st LWD logging (2 holes); 1st successful wireline logging through a decollement; 1st cement-bond log for evaluation of csg cementing effectiveness; 1st use of JR as deployment vehicle for explosive seismic sources. 2 CORKS installed; 948D installed thermistor string & pressure transducers, bad seal on CORK in hole. Barely had time to set the 2nd CORK. Did not have time to check it with VIT. Keir has it listed as functional from 1994-1997.
157						
158	957E	TAG	09/94	R/E cone (stripped) R/E cone	13-3/8	HRB run at 957B but moved to 957C where it tipped over. Tipped HRB was retrieved at end of leg. Tried to set R/E cone/csg at 957D but CADA tool failed to
	957L			(plain)	16	release. Brought cone/csg back to ship. With the 2nd attempt, the R/E cone and csg were set. Tried several
150						times to core got stuck several times and finally had to sever pipe in hole 957D. Lost 43.75 hr and \$49,000 of drilling tools and \$8,400 of Schlumberger tools. Lots of problems with sulfide grit mucking up moving parts. A R/E cone and csg were set at 957L but hole was abandoned because sulfide grit jammed running tool and hole conditions worsened.
159						
100						
160						
404						
161						
162						
163						
164						
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Leg	Hole	Leg	Date	Reentry	Casing	Known Problems
~9	110.0	Name	Leg	Structure		(i.e., Junk in Hole)
		Nume	Started		(in.)	(i.e., daine in riolo)
165	999B	Caribbean	12/95	R/E cone	16	The FFF sunk below the sediment/water interface.
					11-3/4	They tried reentering by going into visible crater-no
				fff-H 998A		luck.
166						
167						
107						
168						
169						
170						
171						
470						
172						
173	1067B	Return to	04/97			BHA separated at Hole 1067A and was lost in hole. No
17.5	1007 B	Iberia	04/37			R/E cone & csg installed during leg. There were a lot of
						mechanical & equipment problems on this leg. Severed
				## 1067A		pipe at Site 1070.
174				fff-1067A		
174						
175						
176						Returned to 735B.
						1
177						
<u> </u>						
178						
170	11074	Llommor	04/00	D/E cons	16	First one test of HDDC. Nice write we should HDDC. ION
179	1107A	Hammer Drilling &	04/98	R/E cone	16 10-3/4	First sea test of HRRS. Nice write up about HRRS. ION hole-seismometer to be installed later. Scanned ops
					10-3/4	section quickly. Didn't see any other firsts.
100		NERO	06/00			· · · · · · · · · · · · · · · · · · ·
180		Woodlark Basin	06/98			1
		Dasill				1
181						
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Leg	Hole	Leg	Date	Reentry	Casing	Known Problems
9		Name	Leg	Structure	OD/ID	(i.e., Junk in Hole)
			Started		(in.)	·
182						
183						
100						
184						
185						
186	1150C	W. Pacific Geophys. Obs.	06/99	R/E cone	20 16	Leg 186 was the 1st scientific venture to succeed in installing strain, tilt, and seismic sensors for long-term
		Geophys. Obs.			10	operation in seafloor boreholes. ION holes. Site 1150
						sediments no basalt. Pipe parted in hole 1150C. Pipe
						was retrieved. When they attempted to set the 10-3/4
						in. csg, the csg parted and they lost part of it down the hole. There were problems w/ the R/E cone not being
						machined properly on 1150D and probably w/ 1150C
						too-this probably caused the pipe and csg failures.
						Hole 1150C was abandoned. When they returned to
						plug the hole with cement, they saw lost joints lying on
						the seafloor. May have only lost 1 or 2 jts of csg in hole-weren't sure.
						Hole-weient sure.
186	1150D	W. Pacific	06/99	R/E cone	20	Instrument package was emplaced (see p. 56 of PRT
		Geophys. Obs.			16 10-3/4	for details). Instrument string was cemented. First triple casing installation/first instrument emplacement.
					10-3/4	casing installation/inst instrument emplacement.
186	1151B		06/99	R/E cone	16 10-3/4	Longest open hole casing string set in ODP history. Instrument was emplaced on 9 Aug. and cemented w/
		Geophys. Obs.			10-3/4	80 bb. Of 15.8 lb/gal cement.
187	<u> </u>					
188						
105		i				
189						
190						
	<u> </u>					
191	1179E	WP ION Projec	07/00	R/E cone	16	Installation of the 3rd permanent long-term borehole
		HRRS			10-3/4	geophysical observatory, i.e., 3rd ION hole; 2nd sea
						trials testing HRRS/hammer drill. Instrument installed on 23 Aug. and cemented in place. 1st ? Deployment
						of LDEO DAS tool?

Leg	Hole	Leg	Date	Reentry	Casing	Known Problems
	1.5.0	Name	Leg	Structure	OD/ID	(i.e., Junk in Hole)
			Started		(in.)	
192	1185B	Ontong Java	09/00	R/E cone	16	Drilling jars failed and pipe was lost in hole. Party
	1			fff-1183A		decided to abandon hole rather than try to retrieve pipe.
100	4400=	Mon D	44/00	fff-1184A	40	
193	1188F	Manus Basin	11/00 N	R/E cone lod. HRRS R/	16 /E	Leg 193 1st operational use of HRRS (H 1189B); 1st operational use of ADCB (H 1188F); 1st free fall
			10	cone w/ 13-		deployment of std sized R/E cone; most 8-1/4 in. drill
				3/8 and 10- 3/4 csg		collars ever used in a BHA; longest ever 8-1/4 in. BHA; SDS 260 fluid hammer used to assist in 13-3/8 csg installation in H 1188F; 2 FFF, 2 HRRS cones, and 1 full sized R/E cone deployed; severed pipe twice. Hole 1188F has a standard R/E cone, 16 in. csg and a modified HRRS R/E cone w/ 13-3/8 in. csg and 10-3/4 in. csg.
193	1189B	Manus Basin	11/00	HRRS R/E	13-3/8	HRRS R/E plus 13-3/8 and 10-3/4 csg.
				cone	10-3/4	<u> </u>
104	+					
194						
195						
196						Longest LWD borehole drilling/logging operations to
						1057.55 m at 808l; 1st vertical ACORK installation at Hole 1173B; 1st horizontal ACORK at 808l. New record of highest number of screens in a single borehole (6). Excellent comparison of AHC on and off in 2 holes
197						
]
40.5						
198						
199	+					
123	+					1
200	1224D	H2O	12/02	R/E Cone	20	ION hole. Instrument to be installed later. Set 10-3/4
<u> </u>	+			ffff 12245	10-3/4?	into 20 in csg w/out 16 in?
201	+ -			ffff-1224F		
202	+					
]
000						10.1
203	+ +					Set reentry cone, ION instrument hanger
-						
204	+					
205						Set reentry cone, ION instrument hanger
	+ -					1
206						Set reentry cone and casing
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Leg	Hole	Leg	Date	Reentry	Casing	Known Problems
		Name	Leg	Structure		(i.e., Junk in Hole)
			Started		(in.)	
207						
208						
222						
209						
210						Future reentry cone and casing

OCEAN DRILLING PROGRAM ODP LEGACY HOLE CASING PROFILES

(Listed by legs in chronological order)

in. = inches mbsf = meters below sea floor

		ronological orde		m = meters			in. = inches	mbsf = meters b					
Leg (s)	Hole	Leg	Date	Location	Water	Reentry	С	asing	Total	Csg. / Hole	Depth of	Completion	Known Problems
		Name	Leg	Lat / Long	Depth	Structure	OD/ID	Depth	Depth	Dia. at TD	Basement	Eqpt. Installed	(i.e., Junk in Hole)
			Started		(m)		(in.)	(mbsf)	(mbsf)	(in.)	(mbsf)		
102A	418A	Bermuda	03/85		5519.0	R/E Cone	16	74.2					Packoff assy. in R/E Cone throat
		Rise											
103	638C	Galicia	04/85			R/E Cone	16	44.6	44.8	14-3/4			
		Margin											
104	642E	Norwegian	06/85		1289.0	R/E Cone	16	1342.2					
		Sea					11-3/4	1660.4	1229.4	9-7/8			
105													
106	504B	Baffin Bay	11/85					<u> </u>					<u> </u>
(also 111	3046	& Labrador	11/03										
(also III	I	Sea											
109	648B	Mid-Atlantic	04/86		3341.0	R/E Cone	16	9.0					1
103	0400	Ridge	04/00		3341.0	TVL Cone	10-3/4	27.8	50.5	9-7/8			Junk: Lost 1 X 9-7/8" bit cone
		ruage					10 0/4	27.0	00.0	0 170			Burn. 2001 1 X 0 170 Bit Conc
110	687C	Barbados	06/86										
		Ridge											
		Ĭ											
111	504B	Costa Rica	08/86							İ			
(also 106		Rift											
123	765D	Exmouth	09/88		5724.2	R/E cone	16						
		Plateau					11-3/4	947.9					
126	793B	Bonin Arc-	04/89			R/E cone	16						
		Trench					11-3/4	586.5					
127	794C	Japan Sea	06/89			R/E cone	16	80.0					
							11-3/4	517.0					
	797C					R/E cone	16	80.0					
		-								-			
100	7005	ļ	00/05			5/5	40			ļ			
128	799B	Japan Sea	08/89			R/E cone	16			-			
							11-3/4						
	7045	1				D/E	16						
ĺ	794D	1	ĺ	1	1	R/E cone	16	1	Ī				Í

Leg (s)	Hole	Leg	Date	Location	Water	Reentry	С	asing	Total	Csg. / Hole	Depth of	Completion	Known Problems
		Name	Leg	Lat / Long	Depth	Structure	OD/ID	Depth	Depth	Dia. at TD	Basement		(i.e., Junk in Hole)
			Started		(m)		(in.)	(mbsf)	(mbsf)	(in.)	(mbsf)		
							11-3/4						
129	801C	Old Pacific	11/89			R/E cone	16	5.0					
		Crust					11-3/4	482.0					
400	0070		04/00			D/E	40	50.4.0	1				
130	807C	Ontong Java Plateau	01/90			R/E cone	16 11-3/4	58.1 ? 349.8?					
		Plateau					11-3/4	349.0?					
131	808E	Nankai	03/90			<u> </u>							
101	000L	Trough	00/00										
		· · · · · · · ·											
	808D												
132	809F	Western &	06/90										
		Central											
		Pacific											
	810D												
													1
									-	-			
		<u> </u>							<u> </u>	1			<u> </u>
									1	+			
147	894C	Hess Deep	11/92			HRG-3 leg			<u> </u> 	1			
147	894G	riess Deeb	11/32			HRB- 3 leg	13-3/8						
	3040	re	moved 10)-3/4 csg to re	etrieve FM:	S	10-3/4	33.0					
148	896A	Hole 504B	01/93			R/E cone	16	33.3	Ì				
						=======	11-3/4	191.5					
									İ				

Leg (s)	Hole	Leg	Date	Location	Water	Reentry	Casing		Total	Csa. / Hole	Depth of	Completion	Known Problems
3 (-,		Name	Leg	Lat / Long	Depth	Structure	OD/ID	Depth	Depth	Dia. at TD	Basement		(i.e., Junk in Hole)
			Started		(m)		(in.)	(mbsf)	(mbsf)	(in.)	(mbsf)		,
156	948D												<u> </u>
130	949C												
158													
130													
										İ			<u> </u>
165													
										<u> </u>			
168													
													<u> </u>

Leg (s)	Hole	Leg	Date	Location	Water	Reentry	С	asing	Total	Csg. / Hole	Depth of	Completion	Known Problems
		Name	Leg	Lat / Long	Depth	Structure	OD/ID	Depth	Depth	Dia. at TD	Basement	Eqpt. Installed	(i.e., Junk in Hole)
			Started		(m)		(in.)	(mbsf)	(mbsf)	(in.)	(mbsf)		
169													
175													
186													