

74-1120

U. S. GEOLOGICAL SURVEY
12201 Sunrise Valley Drive
Reston, Virginia, 22092

For release APRIL 22, 1974

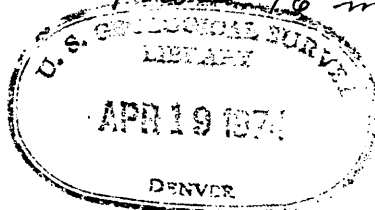
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1. Subbottom acoustic reflection profiles, Cape San Martin to Point Sal, south-central California offshore, by Holly C. Wagner. 96 p., scale 1:86,000. Material from which copy can be made at private expense is available at all three USGS libraries listed above. *(2494)*

25 p. seismic Van log (numbered as 50 p.)

2 track charts

1 roll 16 mm. microfilm



(*) Due to move of USGS Library from Washington, D.C., to the USGS National Headquarters in Reston, Va., the announced report will not be available to the public at this address until mid-May 1974.

Cruise George B. Kelez Seismic van Log Carmel Bay to Pt. Sal.

Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate		Uniboom 1/4 sec. Sweep & Shoot Rate	Course and Speed	Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate		Uniboom 1/4 sec. Sweep & Shoot Rate	Course and Speed		
		Roll No	Ki Power					Filter H/L	Roll No			Ki Power	Filter H/L
121	2025	1	60	98/40	225°T 4.65KTS	118	2240	1	60	98/40	3	End line 118	348°T
"	2030	"	"	"		117	3/3 2245	1	60	98/40	3	Start line 117	045°T
"	2036	"	"	"		"	2250	"	"	"	"	"	"
"	2040	"	"	"		"	2255	"	"	"	"	"	"
"	2045	"	"	"		"	2257	"	"	"	"	"	"
"	2051	"	"	"	Fix	"	2300	"	"	"	"	"	"
"	2055	"	"	"	Fix KB	"	2305	"	"	"	"	"	"
"	2100	"	"	"	Fix KB	"	2310	"	"	"	"	"	"
"	2105	"	"	"		"	2315	"	"	"	"	"	"
"	2110	"	"	"		"	2320	"	"	"	"	"	"
"	2115	"	"	"	Fix - Cl. To Start Engine	"	2325	"	"	"	"	Fix - Start at Uniboom	"
"	2120	"	"	"	Fix - UB. Cl. To 3/4 Key on UB.	"	2330	"	"	"	"	Fix	"
"	2125	"	"	"		"	2335	"	"	"	"	"	"
"	2130	"	"	"	Fix - changed UB To 3/4 Key	"	2337	"	"	"	"	"	"
"	2135	"	"	"		117	2340	1	60	98/40	3	Fix	045°T 4.6KTS
"	2140	"	"	"		"	2345	"	"	"	"	"	"
121	2145	"	"	"		"	2350	"	"	"	"	Fix - secured UB To Remote Kelp.	"
"	2150	"	"	"		"	2356	"	"	"	"	Uniboom ON	"
"	2155	"	"	"		"	2400	"	"	"	"	Fix - changed to Edge Key on UB.	"
"	2157	"	"	"	Secured uniboom H2O too deep	117	3/4 2005	"	"	"	"	Fix UB.	"
"	2159	"	"	"		"	0015	"	"	"	"	"	"
"	2205	"	"	"		"	0030	"	"	"	"	"	"
121	2210	"	"	"	225°T	"	0045	"	"	"	"	"	"
	END	Line 121				114	0100	"	"	"	"	4/C	310°T 4.6KTS
118	2216	1	60	98/40		"	0115	"	"	"	"	4/C	225°T 4.6KTS
"	2221	"	"	"	Fix	113	0129	"	"	"	"	"	"
"	2225	"	"	"	Fix	"	0130	"	"	"	"	"	"
"	2230	"	"	"	Fix	113	0145	1	60	98/40	3	3/4 Key on UB, 348°T	"
"	2235	"	"	"	Fix	11	0200	"	"	"	"	"	1

SEISMIC VAN LOG										SEISMIC VAN LOG										SEISMIC VAN LOG									
Cruise George B. Kelez										Cruise George B. Kelez										Cruise George B. Kelez									
Carmel Bay to Pt. Salty										Carmel Bay to Pt. Salty										Carmel Bay to Pt. Salty									
Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate			Uniboom 1/4 sec. Sweep & Shoot Rate		Course and Speed	Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate			Uniboom 1/4 sec. Sweep & Shoot Rate		Course and Speed	Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate			Uniboom 1/4 sec. Sweep & Shoot Rate		Course and Speed						
		Roll No	Kj Power	Filter H/L	Roll No.	Remarks				Roll No.	Kj Power	Filter H/L	Roll No.	Remarks				Roll No.	Kj Power	Filter H/L	Roll No.	Remarks							
113	3/4 0215	1	60	78/40	3		225 KT	109	0540	1	60	78/40	4	Down	0457								0457						
"	0230	"	"	"	4	Change power UB.	"	"	0545	"	"	"	"	UB back on 0553	"							"	"						
"	0245	"	"	"	"		"	"	0550	"	"	"	"		"							"	"						
"	0249	"	"	"	"	Shut down UB.	"	"	0555	"	"	"	"		"							"	"						
"	0300	"	"	"	"		"	109	0600	"	"	"	"		"							"	"						
"	0315	"	"	"	"		"	106	0604	"	"	"	"	Start line	248 T							248 T	"						
"	0320	"	"	"	"	Shut off UB.	"	"	0610	"	"	"	"		"							"	"						
"	0330	"	"	"	"		"	"	0615	"	"	"	"	Fix	"							"	"						
"	0345	"	"	"	"		"	"	0620	"	"	"	"		"							"	"						
110	0350	"	"	"	"		320 T	"	0625	"	"	"	"		248 T							248 T	"						
"	0400	"	"	"	"	C/C Two deep UB shut down	46 KTS.	"	0630	"	"	"	"	End line 106	225 T							"	"						
"	0410	"	"	"	"	fix	"	105	0633	"	"	"	"		"							"	"						
110	0415	"	"	"	"	End line 110 0416	"	"	0640	"	"	"	"		"							"	"						
109	0419	1	60	78/40	4	Start line 109	045 T	"	0645	"	"	"	"		"							"	"						
"	0425	"	"	"	"		"	"	0650	"	"	"	"		"							"	"						
"	0430	"	"	"	"		"	"	0700	"	"	"	"	Shut down too deep	"							"	"						
"	0435	"	"	"	"		"	"	0705	"	"	"	"		"							"	"						
"	0440	"	"	"	"		"	"	0710	"	"	"	"		"							"	"						
"	0445	"	"	"	"		"	"	0715	"	"	"	"		"							"	"						
"	0450	"	"	"	"		"	"	0720	"	"	"	"		"							"	"						
"	0455	"	"	"	"		"	"	0725	"	"	"	"	fix	"							"	"						
"	0500	"	"	"	"		"	"	0730	"	"	"	"		"							"	"						
"	0505	"	"	"	"		"	"	0735	"	"	"	"		"							"	"						
"	0510	"	"	"	"		"	"	0740	"	"	"	"		"							"	"						
"	0515	"	"	"	"		"	"	0745	"	"	"	"		"							"	"						
"	0520	"	"	"	"		"	"	0750	"	"	"	"		"							"	"						
"	0525	"	"	"	"	Down	"	"	0800	"	"	"	"		"							"	"						
"	0530	"	"	"	"	"	"	"	0805	"	"	"	"		"							"	"						
"	0535	"	"	"	"	"	"	105	0810	"	"	"	"		"							"	"						

Cruise George B. Kelez Carmel Bay to Pt. Sal.														Cruise George B. Kelez Carmel Bay to Pt. Sal.														Cruise George B. Kelez Carmel Bay to Pt. Sal.													
Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate			Uniboom 1/4 sec. Sweep & Shoot Rate		Course and Speed	Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate			Uniboom 1/4 sec. Sweep & Shoot Rate		Course and Speed	Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate			Uniboom 1/4 sec. Sweep & Shoot Rate		Course and Speed																		
		Roll No	Kj Power	Filter H/L	Roll No.	Remarks				Roll No	Kj Power	Filter H/L	Roll No.	Remarks				Roll No	Kj Power	Filter H/L	Roll No.	Remarks																			
105	314/0815	1	60	98/40	4	"	98	1020	1	60	98/40	4	Fix UB	315°																											
"	0817	"	"	"	"	"	"	1027	"	"	"	"	"	"	"								"																		
102	0820	1	60	98/40	4	320°	"	1030	"	"	"	"	Fix	"									"																		
"	0825	"	"	"	"	"	"	1031	"	"	"	"	END LINE 98	"									"																		
"	0830	"	"	"	"	"	97	1034	1	60	98/40	4	START LINE 97 UB ON EDGE KEY	225°									"																		
"	0835	"	"	"	"	"	"	1040	"	"	"	"	Fix	"									"																		
"	0837	"	"	"	"	320°	"	1042	"	"	"	"	SHUT TO START	"									"																		
101	0840	1	60	98/40	4	5 KTS 245°	"	1045	"	"	"	"	ENGINE	"									"																		
"	0845	"	"	"	"	"	"	1050	"	"	"	"	Fix	"									"																		
"	0850	"	"	"	"	"	"	1055	"	"	"	"	Fix	"									"																		
"	0857	"	"	"	"	"	"	1100	"	"	"	"	Fix	"									"																		
"	0900	"	"	"	"	"	"	1105	"	"	"	"	"	"									"																		
"	0905	"	"	"	"	"	"	1106	"	"	"	"	1/4 KEY	"									"																		
"	0910	"	"	"	"	"	"	1108	"	"	"	"	CTR KEY	"									"																		
"	0915	"	"	"	"	"	"	1110	"	"	"	"	"	"									"																		
"	0920	"	"	"	"	"	"	1115	"	"	"	"	"	"									"																		
"	0922	"	"	"	"	"	"	1120	"	"	"	"	"	"									"																		
"	0925	"	"	"	"	"	"	1125	"	"	"	"	"	"									"																		
"	0930	"	"	"	"	"	"	1130	"	"	"	"	START ROLL #5	"									"																		
"	0935	"	"	"	"	"	"	1135	"	"	"	"	UB-34 KEY	"									"																		
"	0940	"	"	"	"	"	"	1136	"	"	"	"	Fix	"									"																		
"	0945	"	"	"	"	"	"	1140	"	"	"	"	SHUT DOWN UNIBOOM	"									"																		
"	0950	"	"	"	"	"	"	1145	"	"	"	"	ON	"									"																		
"	0955	"	"	"	"	"	"	1200	"	"	"	"	Fix - changed UB. To Edge KEY	"									"																		
"	1000	"	"	"	"	"	"	1208	"	"	"	"	Fix - UB	"									"																		
"	1005	"	"	"	"	"	"	1210	"	"	"	"	Fix	"									"																		
"	1009	"	"	"	"	"	94	1213	"	"	"	"	SHUT DOWN	"									321°																		
98	1013	1	60	98/40	4	315°	"	1215	"	"	"	"	END LINE 97	"									"																		
"	1016	"	"	"	"	"	"	1230	"	"	"	"	"	"									"																		

Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate		Uniboom 1/4 sec. Sweep & Shoot Rate		Course and Speed	Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate		Uniboom 1/4 sec. Sweep & Shoot Rate		Course and Speed
		Roll No.	Ki Power	Filter H/L	Roll No.	Remarks			Roll No.	Ki Power	Filter H/L	Roll No.	Remarks
94	3/4/1235	1	60	98/40	5	321°	85	2110	1	60	98/40	5	045°
93	1238	"	"	"	"	045°	"	2115	"	"	"	"	"
"	1300	"	"	"	"	"	"	2125	"	"	"	"	"
"	1330	"	"	"	"	"	"	2130	"	"	"	"	"
"	1352	"	"	"	"	"	"	2132	"	"	"	"	"
90	1355	"	"	"	"	315°	82	2137	"	"	"	"	340°
"	1400	"	"	"	"	"	"	2145	"	"	"	"	"
"	1415	"	"	"	"	"	"	2148	"	"	"	"	"
89	1418	"	"	"	"	"	"	2149	"	"	"	"	"
"	1430	"	"	"	"	"	"	2150	"	"	"	"	"
"	1500	"	"	"	"	"	"	2155	"	"	"	"	"
"	1515	"	"	"	"	"	81	2159	"	"	"	"	225°
85	1939	2	60	98/40	5	044°	"	2205	"	"	"	"	"
"	1945	"	"	"	"	"	"	2210	"	"	"	"	"
"	1950	"	"	"	"	"	"	2215	"	"	"	"	"
"	1956	"	"	"	"	"	"	2220	"	"	"	"	"
"	1958	"	"	"	"	"	"	2225	"	"	"	"	"
"	2015	"	"	"	"	045°	"	2230	"	"	"	"	"
"	2020	"	"	"	"	"	"	2235	"	"	"	"	225°
"	2025	"	"	"	"	"	"	2240	"	"	"	"	4.5 KTS
"	2030	"	"	"	"	"	"	2245	"	"	"	"	"
"	2035	"	"	"	"	"	"	2250	"	"	"	"	"
"	2040	"	"	"	"	"	"	2255	"	"	"	"	"
"	2045	"	"	"	"	"	"	2300	"	"	"	"	"
"	2050	"	"	"	"	"	"	2307	"	"	"	"	"
"	2055	"	"	"	"	"	"	2311	"	"	"	"	"
"	2100	"	"	"	"	"	"	2315	"	"	"	"	"
"	2105	"	"	"	"	"	"	2320	"	"	"	"	"
"	2107	"	"	"	"	"	"	2325	"	"	"	"	"

Wel Bay to Pt. S.

Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate		Uniboom 1/4 sec. Sweep & Shoot Rate		Course and Speed
		Roll No	Kj Power	Filter H/L	Roll No	
81	3/4 2330	1	60	98/40		225°T 4.5 KTS
"	2335	"	"	"		"
"	2340	"	"	"		"
"	2344	"	"	"		"
"	2345	"	"	"		"
78	2347	"	"	"		319°T
"	2351	"	"	"		Down
"	2355	"	"	"		
"	2400	"	"	"		Fix
77	3/5 2405	"	"	"		Down
"	0010	"	"	"		Uniboom on
"	0030	"	"	"	6	"
"	0045	"	"	"	"	"
"	0100	"	"	"	"	"
"	0115	"	"	"	"	"
"	0126	"	"	"	"	"
74	0130	"	"	"	"	290°T 4.5 KTS
"	0145	"	"	"	"	"
73	0152	"	"	"	"	225°T 4.5 KTS
"	0200	"	"	"	"	"
"	0215	"	"	"	"	"
"	0230	"	"	"	"	"
"	0245	"	"	"	"	"
70	0259	"	"	"	"	317°
"	0315	"	"	"	"	"
69	0320	"	"	"	"	"
"	0330	"	"	"	"	"
"	0345	"	"	"	"	"
"	0400	"	"	"	"	DB, MINUTED 11 EGGS & 4 DIAL

Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate		Uniboom 1/4 sec. Sweep & Shoot Rate		Course and Speed
		Roll No	Kj Power	Filter H/L	Roll No	
69	0405	1	60	98/40		225°T 4.5 KTS
"	0410	"	"	"		"
"	0415	"	"	"		"
"	0420	"	"	"		"
"	0425	"	"	"		"
"	0430	"	"	"		fix
"	0433	"	"	"		End line 69
66	0436	"	"	"		4.745 312°T
"	0440	"	"	"		"
"	0445	"	"	"		"
"	0450	"	"	"		"
"	0455	"	"	"		"
65	0505	"	"	"		225°T
"	0510	"	"	"		"
"	0515	"	"	"		"
"	0520	"	"	"		"
"	0525	"	"	"		"
"	0530	"	"	"		"
"	0535	"	"	"		"
"	0540	"	"	"		"
"	0545	"	"	"		fix
"	0550	"	"	"		"
"	0555	"	"	"		Shot Down
"	0600	"	"	"		"
"	0605	"	"	"		"
"	0607	"	"	"		End line 65
62	0611	"	"	"		Shot Down
"	0615	"	"	"		"
"	0620	"	"	"		"

SEISMIC VAN LOG										SEISMIC VAN LOG									
Cruise George B. Kelez Carmel Bay to Pt. Sal.										Cruise George B. Kelez Carmel Bay to Pt. Sal.									
Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate			Uniboom 1/4 sec. Sweep & Shoot Rate			Course and Speed	Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate			Uniboom 1/4 sec. Sweep & Shoot Rate			Course and Speed	Line No.	Date Time
		Roll No.	Kj Power	Filter H/L	Roll No.	Remarks	Roll No.				Roll No.	Kj Power	Filter H/L	Roll No.	Remarks	Roll No.			
62	315/0625	1	60	98/40	6	fix	317°T 4.7krs		57	315/0845	1	60	98/40	7			225°T 4.7		
"	0630	"	"	"	"		"		"	0850	"	"	"	"	fix-UB	"	"		
"	0632	"	"	"	"	End Line 62	"		"	0855	"	"	"	"	fix-UB	"	"		
61	0634	"	"	"	"	SHUT down	"		"	0900	"	"	"	"	fix	"	"		
"	0640	"	"	"	"		"		"	0906	"	"	"	"	fix-UB	"	"		
"	0645	"	"	"	"		"		"	0915	"	"	"	"	fix	"	"		
"	0650	"	"	"	"		"		"	0920	"	"	"	"		"	"		
"	0655	"	"	"	"		0450T 4.7krs		"	0925	"	"	"	"		"	"		
"	0700	"	"	"	"	UB system on	"		"	0930	"	"	"	"	fix	"	"		
"	0705	"	"	"	"		"		"	0935	"	"	"	"		"	"		
"	0710	"	"	"	"		"		"	0940	"	"	"	"		"	"		
"	0715	"	"	"	"		"		"	0945	"	"	"	"	fix	"	"		
"	0720	"	"	"	"		"		"	0947	"	"	"	"	end line 57	"	"		
"	0725	"	"	"	"		"		191	1026	2	"	"	7 down	"	"	0450T		
"	0730	"	"	"	"		"		"	1030	"	"	"	"	fix	"	"		
"	0735	"	"	"	"		"		"	1035	"	"	"	"		"	"		
"	0739	"	"	"	"	end line 61	347°T		"	1040	"	"	"	"		"	"		
58	0742	"	"	"	"	start line 58	335°T		"	1045	"	"	"	"	fix	"	"		
"	0752	"	"	"	"		000°T		"	1050	"	"	"	"		"	"		
"	0755	"	"	"	"		"		"	1052	"	"	"	"		"	"		
"	0800	"	"	"	"		"		192	1055	"	"	"	"	end Line 191	"	"	1470T 5.3	
"	0805	"	"	"	"		010°T		"	1100	"	"	"	"	fix	"	"		
"	0810	"	"	"	"	end line 58	"		"	1105	"	"	"	"	fix-UB	7	"		
57	0814	"	"	"	"	Start Line 57	225°T		"	1110	"	"	"	"	fix-UB	"	"		
"	0820	"	"	"	"	UB down end Roll 6	"		"	1115	"	"	"	"	fix	"	"	150°T	
"	0825	"	"	"	"		"		"	1122	"	"	"	"	fix-UB	"	"		
"	0830	"	"	"	"	UB on Start Roll 7	"		"	1130	"	"	"	"	fix	"	"		
"	0835	"	"	"	"		"		"	1137	"	"	"	"		"	"		
"	0840	"	"	"	"		225°T 4.7		192	1141	2	60	98/40	7					

Cruise George B. Kelez Carmel Bay to Pt. Sal.

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		Roll No.	Kj Power	Filter H/L	Roll No.				Roll No.	Kj Power	Filter H/L	Roll No.	
192	3/5/145	2	60	98/40	7	150°T 3.3	193	3/5/1726	2	60	98/40	8	046°T 4.0
↓	1200						103	1728					
193	1218					136°T		1735					
↓	1230							1740					
	1300							1745					
	1330							1755					
	1400							1800					
	1415							1805					
	1430							1815					
	1445					136°T 4.4	↓	1820					
	1500						104	1824					
	1515							1830					
	1530							1835					
	1545							1840					
	1600						↓	1843					
	1605						107	1848					
	1610							1850					
	1615							1855					
	1620							1900					
	1625							1905					
	1630							1910					
	1635							1915					
	1645							1920					
	1700							1925					
	1705							1930					
	1710							1935					
	1715							1940					
↓	1720	↓	↓	↓	↓		↓	1945	↓	↓	↓	↓	
193	1725	2	60	98/40	8	136°T 4	107	1950	2	60	98/40	8	225°T 4.5

Remarks
end line 193
start line 103

Remarks
end line 103
start line 104
fix

Remarks
end line 104
start line 107

Remarks
fix
Shut Down UB
too deep

Cruise George B. Kelez Carmel Bay to Pt. Sal, 9

Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate		Uniboom 1/4 sec. Sweep & Shoot Rate		Course and Speed
		Roll No.	Ki Power Filter H/L	Roll No.	Remarks	
107	3/5/1955	2	60	98/40	8	2250T/4.5
	2000				fix	
	2005				fix-UB	
	2010				Down UB down-UB	
	2015				fix	
	2020					
	2025				fix	
	2030					
	2035					
	2040					
✓	2042				end line 107	1370T
108	2045				start line 108	
	2050					
	2056					
	2100					
	2105					
	2110					
	2115				fix	
✓	2116				end line 108	
111	2121				start line 111	0450T
	2125					
	2130				fix	
	2135					
	2140					
	2145				fix	
	2150					
	2155				fix	
✓	2200	✓	✓	✓	✓	
111	2205	2	60	98/40	8	0450T/4.8

Cruise George B. Kelez Carmel Bay to Pt. Sal, 20

Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate		Uniboom 1/4 sec. Sweep & Shoot Rate		Course and Speed
		Roll No.	Ki Power Filter H/L	Roll No.	Remarks	
111	3/5/2210	2	60	98/40	8	0450T/4.8
	2215				fix	
	2222				fix UB	
	2225					
	2230				fix	
	2235					
	2240					
	2245				fix	
	2250					
	2255					
	2300					4.5KTS
	2305				end roll 18 UB	
	2306				Down	
✓	2313				end line 111	0450T
112	2315				start line 112	
	2316				UB ON ROLL #9	
	2320					
	2325					
	2330				fix	
	2335					
	2340					
	2345				fix	
✓	2347				end line 112	
115	2352				start line 115	2250T
	2356					
	2400				fix	
	2405					
✓	2430	✓	✓	✓	✓	
115	2445	2	60	98/40	9	2250T/4.5

Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate		Uniboom 1/4 sec. Sweep & Shoot Rate		Course and Speed	Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate		Uniboom 1/4 sec. Sweep & Shoot Rate		Course and Speed
		Roll No.	Kj Power	Filter H/L	Roll No.				Roll No.	Kj Power	Filter H/L	Roll No.	
115	31/0600	2	60	98/40	9	2250T / 4.5	119	31/0851	2	60	98/40	9	6450T
	0115							0900					
	0130							0910					
	0132							0915					
	0154					2250T / 4.3		0920					
	0657							0921					
	0700							0925					
	0710							0930					
	0715					2250T / 4.7		0935					
	0720							0940					
	0725							0945					
	0730							0950					
	0735							0955					
	0740							1000					
	0745							1005					
	0750							1010					
	0755							1015					49kts
	0800							1020					
	0805							1025					
	0810							1030					
116	0813					1640T		1035					
	0815							1040					
	0820							1045					
	0825							1050					
	0830							1051					
	0835							1055					
	0840							1100					
	0842							1105					
119	31/0845	2	60	98/40	9	10450T	120	1107	2	60	98/40	10	1720T

fix

fix

UB on

fix

fix

fix

fix

fix

fix

fix

fix

end line 119

start line 120

START UB Ball 10

pt. 26

Cruise George B. Kelez - Carmel Bay to Pt. Sal										Cruise George B. Kelez - Carmel Bay to Pt. Sal									
Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate		Uniboom 1/4 sec. Sweep & Shoot Rate		Course and Speed	Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate		Uniboom 1/4 sec. Sweep & Shoot Rate		Course and Speed	Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate		Uniboom 1/4 sec. Sweep & Shoot Rate	
		Roll No.	Kj Power	Filter H/L	Roll No.				Roll No.	Kj Power	Filter H/L	Roll No.				Roll No.	Kj Power	Filter H/L	Roll No.
162	3/6 2200	2	60	98/40	10	357°T	159	0030	2	60	98/40	10	Down	0041	2	60	98/40	10	Down
161	2202					045°T		0045						0100					
	2206					Down		0115						0130					
	2210							0145						0200					
	2215							0215						0230					
	2220							0245						0300					
	2225							0315						0330					
	2230					Fix		0345						0400					
	2236							0410						0420					
	2240							0425						0430					
	2245					Fix		0435						0440					
	2250							0445						0450					
	2255							0455						0500					
	2300					End line 161		0500						0505					
	2303							0510						0515					
301	2308					316°T		0520						0525					
	2310							0530						0535					
	2315							0540						0545					
	2320							0545						0550					
	2325							0555						0600					
	2330					End line 301		0605						0610					
	2332							0615						0620					
	2335					Down		0625						0630					
159	2340							0635						0640					
	2345							0645						0650					
	2350							0655						0700					
	2355							0705						0710					
	317/0000							0715						0720					
	0015							0725						0730					

Carmel Bay to Pt. Sal 30

Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate			Uniboom 1/4 sec. Sweep & Shoot Rate	Course and Speed
		Roll No.	Kj Power	Filter H/L		
157	3/17 0505	2	60	98/40	Down	04507 4KTS
	0510					
	0515					
	0520					
	0525					
	0530					
	0535					
	0540					
	0545					
	0550					
	0555					
	0600					
	0605					
	0610					
	0615					
	0620					
	0625					
	0630					
	0635					
	0640					
	0645					
	0650					
	0655					
	0700					
	0705					
	0710					
	0715					
	0720					
	0725					

Cruise George B. Kelez Carmel Bay To Pt. San
32

Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate			Uniboom 1/4 sec. sweep & shoot Rate		Course and Speed
		Roll No.	Ki Power	Filter H/L	Roll No.	Remarks	
155	312-0940	2	60	98/40	10		225°T 3.9Kts
	0945						
	0950						
	0955						
	1000						
	1005						
	1010						
	1015						
	1020						
	1025						
	1030						
	1035	2			10		
	1040						
	1045						
	1050						
	1055						
	1100						
	1105						
	1110						
	1115						
	1120						
	1125						
	1130						
	1135						
	1140						
	1145						
	1148					End line 165	
302	1150	2			10	Down	326°T
	1200						

SEISMIC VAN LOG										SEISMIC VAN LOG										Cruise George B. Kelez										Cruise George B. Kelez										Carnel Bay to Pt. Sal										Carnel Bay to Pt. Sal									
Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate			Uniboom 1/4 sec. Sweep & Shoot Rate		Course and Speed	Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate			Uniboom 1/4 sec. Sweep & Shoot Rate		Course and Speed	Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate			Uniboom 1/4 sec. Sweep & Shoot Rate		Course and Speed	Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate			Uniboom 1/4 sec. Sweep & Shoot Rate		Course and Speed																												
		Roll No.	Kj Power	Filter H/L	Roll No.	Remarks				Roll No.	Kj Power	Filter H/L	Roll No.	Remarks				Roll No.	Kj Power	Filter H/L	Roll No.	Remarks				Roll No.	Kj Power	Filter H/L	Roll No.	Remarks																													
153	3/1/625	2	60	98/40	11	225°T 4.5 Kts.	146	1903	2	60	98/40	11	260°T 4.5 Kts.	146	1903	2	60	98/40	11	260°T 4.5 Kts.	146	1903	2	60	98/40	11	260°T 4.5 Kts.	146	1903	2	60	98/40	11	260°T 4.5 Kts.																									
	1630							1905							1905							1905																																					
	1635							1910							1910							1910																																					
	1640							1915							1915							1915																																					
	1645							1920							1920							1920																																					
	1650							1921							1921							1921																																					
	1655							1925							1925							1925																																					
153	1700							1930							1930							1930																																					
150	1705							1935							1935							1935																																					
	1710							1940							1940							1940																																					
	1715							1945							1945							1945																																					
	1720							1950							1950							1950																																					
	1725							1955							1955							1955																																					
	1730							2000							2000							2000																																					
	1735	2						2005							2005							2005																																					
149	1740							2010							2010							2010																																					
	1745							2015							2015							2015																																					
	1750							2022							2022							2022																																					
	1755							2025							2025							2025																																					
	1800							2030							2030							2030																																					
	1805							2035							2035							2035																																					
	1810							2040							2040							2040																																					
	1815							2045							2045							2045																																					
	1830							2050							2050							2050																																					
	1840							2055							2055							2055																																					
	1845							2100							2100							2100																																					
	1850							2102							2102							2102																																					
	1855							2104							2104							2104																																					
	1858							2110							2110							2110																																					

change to Edge Key

End line 147

End line 49

Not in Armed
of change of
line from 151
to 150

End line 151
" " 150

DEISMIC VAN LOY
Cruise George B. Kelez Carmel Bay to Pt. Sal.
37

[illegible]

SEISMIC VAN LOG
Cruise George B. Kelez Carmel Bay to Pt. Sal 35

Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate		Uniboom 1/4 sec. Sweep & Shoot Rate		Course and Speed	Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate		Uniboom 1/4 sec. Sweep & Shoot Rate		Course and Speed
		Roll No.	Kj Power	Filter H/L	Remarks				Roll No.	Kj Power	Filter H/L	Remarks	
304	2122	2	60	98/40		315°T	12	317 2325	2	60	98/40		315°T
	2120							2330					
	2125							2332					
✓	2130				END LINE 304	045°T 46 KTS		2336					225°T
143	2134				EDGE 1/4 KEY			2340					
	2136							2345					
	2140							2350					2250T 4.5
	2145							2356					
	2150							38 0000					
	2155							0015					
	2158				EDGE IN U.S. CTS			0030					
	2200							0045					
	2206							0051					
	2210							0054					3150T 4.5
	2215							0100					
	2220				change to EDGE KEY			0115					
	2225							0120					0150T
	2230							0130					
	2235							0145					
	2240							0200					
	2245							0215					
	2250							0230					3150T
	2255							0239					
	2300							0245					
✓	2303				fix			0300					
305	2305				end line 143			0306					2280T
	2310				start line 305			0308					
✓	2315	✓	✓	✓	fix			0315	✓	✓	✓	✓	
305	2320	2	60	98/40		315°T 4.4	12	318 0330	2	60	98/40		2250T 4.5

2
pt. 50

Cruise George B. Kelez Log

Cruise ¹⁷⁵⁰ George B. Kelez van Log Carmel Bay to Pt. Sal ¹⁸⁰⁰

· Cruise

Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate		Uniboom 1/4 sec. Sweep & Shoot Rate	Course and Speed
		Roll No	Filter H/L		
139	319/1105	DOWN		2-1	315°T/4.6
	1108				
	1115				
	1120				
	1125				
	1130				fix
	1132				
	1144				045°/4.6
	1150				250°/4.6
	1205				
	1209				340°/4.6
	1220				
	1231				220°T
	1235				fix
	1303				
	1309				010°T/4.6
	1330				fix
	1343				
	1345				
	1415				fix
	1435				082°T/4.6
	1446				160°T/4.6
	1501				42°T/4.6
	1505				
	1537				
	1540				fix
	1620				257°/4.6
	1630				fix
139	1700	DOWN		2-2	

45

Cruise George B. Kelez Log Car

Cruise. George B. Kelez. van Log. Carmel Bay to Pt. Salinas.

Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate			Uniboom 1/4 sec. Sweep & Shoot Rate	Course and Speed	Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate			Uniboom 1/4 sec. Sweep & Shoot Rate	Course and Speed
		Roll No.	Ki Power	Filter H/L					Roll No.	Ki Power	Filter H/L		
103	31/2215	2-1	90	76/40	2-2	2250T/4.5	91	30/2315	2-1	90	76/40	2-3	0450T/4.5
100	2219							0330					
	2230				2-3			0345					
99	2245					0450T/4.5		0400	✓				
	2249							0410	60				
	2300						✓	0415					
	2315							0424					
	2330						88	0426					
	2345							0430					
	2000		✓					0445					
	0005		60				✓	0447					
	0015						87	0449					
96	0032					3150T/4.5		0500	90				
	0040							0515					
✓	0045							0530					
95	0055					2250T/4.5		0543					
	0059		✓					0545					
	0115		90				✓	0600					
	0126							0615					
	0130						84	0618					
	0145							0621					
	0200							0630					
	0215						✓	0645					
✓	0225						83	0647					
92	0230							0649					
	0247							0700					
91	0252	✓	✓	✓			✓	0715					
91	0300	2-1	90	76/40	2-3	0450T/4.5	83	0730					
						0450T/4.5	✓	0745	2-1	60	76/40	2-4	0450T

Line No.	Date Time	SEISMIC 3 sec. Sweep & Shoot Rate			Uniboom 1/4 sec. Sweep & Shoot Rate		Course and Speed	Line No.	Date Time	SEISMIC 3 sec. Sweep & Shoot Rate			Uniboom 1/4 sec. Sweep & Shoot Rate		Course and Speed
		Roll No.	Kj Power	Filter H/L	Roll No.	Remarks				Roll No.	Kj Power	Filter H/L	Roll No.	Remarks	
83	320 0800	2-1	60	76/40	2-4	60 KJ UB ON	0450T	72	320 1311	2-1	60	60/40	2-4		2250T
↓	0815							71	1316						
80	0830						3250T		1330						
↓	0845								1345						
79	0900					fix	2250T		1400						
	0915								1415						
	0930								1430		↓				
	0945								1445					2-4 DOWN	
	1000		↓						1452		90			C/90 KJ	3180T
	1015							↓	1453		90				
	1020		90			C/power to 90 KJ		68	1456						
	1030							↓	1515						
	1045							67	1527						0450T
↓	1100								1538		↓				5.5
	1115								1545						
76	1119						3300T/45		1550		DOWN			SEISMIC DOWN	
	1130								1600		60	60/40			
	1145								1615			↓			
↓	1200					DOWN fix	0450T	↓	1630			76/40			3100T
	1205								1634						
75	1217		↓					64	1637						
	1225			↓					1645					fix	
	1240		60	60/40		C/60 KJ 60/40			1700						
↓	1245							↓	1704						2250T
	1249			↓			3380T	63	1708						
72	1251			76/40		filter to 76/40			1715						
↓	1258			60/40		filter to 60/40			1730					fix	
↓	1300	↓	↓	↓	↓			↓	1745	↓	↓	↓	↓		
72	1310	2-1	60	60/40	2-4		3380T	63	1800	2-1	60	76/40	2-4	fix	2250T

Cruise George B. Kelez - Carmel Bay to Pt. Sal.

Cruise George B. Kelez

Cruise George B. Kelez - Carmel Bay to Pt. Sal.

Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate		Uniboom 1/4 sec. Sweep & Shoot Rate	Course and Speed	Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate		Uniboom 1/4 sec. Sweep & Shoot Rate	Course and Speed	Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate		Uniboom 1/4 sec. Sweep & Shoot Rate	Course and Speed
		Roll No.	Kj Power	Filter H/L				Roll No.	Kj Power	Filter H/L				Roll No.	Kj Power	Filter H/L	
63	309 1815	2-1	60	76/40	2-4	53	320 2345	2-1	90	76/40	2-5	0450T	320 2345	2-1	90	76/40	2-5
60	1823						321 0000					3150T	321 0000				3150T
	1830						0027		60				0027				
	1845					52	0033				DOWN		0033				
	1852					51	0049						0049				
59	1900						0053						0053				
	1915						0130		DOWN				0130				
	1930						0152						0152				
	1945					50	0156						0156				
	2000						0206		Start				0206				
	2015					49	0209						0209				
	2018					TRANSIT LINE	0219						0219				
56	2021					51	0321						0321				
	2030						0330						0330				
	2045						0345						0345				
	2052						0400						0400				
55	2056						0415						0415				
	2100						0423						0423				
	2115						0430						0430				
	2130						0435						0435				
	2145					50	0445						0445				
	2200						0452						0452				
	2215					49	0455						0455				
	2230						0500						0500				
	2234						0515						0515				
54	2245						0530						0530				
53	2300						0545						0545				
	2315						0600						0600				
53	2330	2-1	90	76/40	2-5	48	321 0604	2-1	60	76/40	2-5	320 0604	321 0604	2-1	60	76/40	2-5

Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate		Uniboom 1/4 sec. Sweep & Shoot Rate		Course and Speed	Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate		Uniboom 1/4 sec. Sweep & Shoot Rate		Course and Speed
		Roll No.	Kj Power	Filter H/L	Roll No.				Roll No.	Kj Power	Filter H/L	Roll No.	
D-4	0226			DOW N	2-6	3150T/45	D-16	1221			DOW N	2-8	1160T
↓	0245					2020T	↓	1230					0220T
D-5	0306						D-7	1233					
↓	0330							1245					
↓	0335							1300					
D-6	0352					0220T		1315					
↓	0400							1330					
D-7	0414					1970T	↓	1345					1160T
↓	0420							1358					
D-8	0442					0170T	D-18	1418					
D-9	0519					1970T		1430					
↓	0529						↓	1444					
D-10	0554					0170T		1445					
↓	0600												
D-11	0636												
D-12	0710												
D-13	0743												
↓	0820												
D-14	0912					0250T							
	0923												
↓	1048					0920T							
D-15	1105					2050T							
	1107												
	1110												
	1145												
	1200												
↓	1215												
D-15	1217			DOW N	2-8	1160T							

END OF CRUISE

DOWN Kelp

by at 1146

Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate			Uniboom 1/4 sec. Sweep & Shoot Rate		Course and Speed	Line No.	Date Time	Seismic 3 sec. Sweep & Shoot Rate			Uniboom 1/4 sec. Sweep & Shoot Rate		Course and Speed
		Roll No.	Kj Power	Filter H/L	Roll No.	Remarks				Roll No.	Kj Power	Filter H/L	Roll No.	Remarks	
48	0615	2-1	60	76/40	DOWN		300T 4.5	41	31/1307	2-1	90	60/40	DOWN		0450T
47	0617						2250T		1315						60
	0620								1330						
	0630					circle 360° to left			1342						
	0645								1400						
	0652							V	1415						
	0700					fix		D-1	32/2154						1350T 4.5
	0715								2200						
	0730		V				4.6		2215					fix	
	0745		90						2230					fix	
	0800								2245						
46	0807							V	2300					fix	
	0815					fix	3230T		2303						
45	0827					fix		D-2	2314						3150T
	0831					fix	0450T		2330						
	0845					fix			2345						
	0900					fix			327/0000				V		
	0915					fix			0005				2-5 ON	UB ON	
44	0930					fix			0015						
	0932					fix	3350T		0022				V	(fix) turns taken every 15 mins.	0450T
	0945					fix		V	0036				2-6	DOA LE9	1350T
43	0946							P-3	0040						
	0950						2250T		0043						
	1000								0100						
	1017					fix			0115						
	1030								0130						
	1045								0145						
43	1100	V	V	V	V	fix		V	0151		V	V	V		3150T 4.5
	1116	2-1	90	76/40	DOWN		2250T	D4	0202		DOWN		2-6		