QUEEN CHARLOTTE EI-88-101 LN: QC88-2B
SOURCE 330-1014 / 100 INT 1595-1615 / 102 INTLD 1616-2089

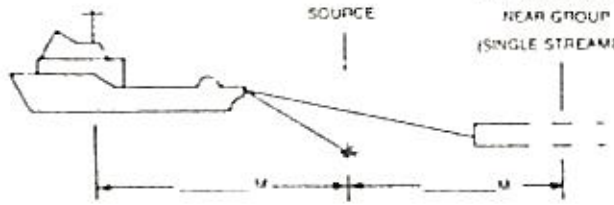
MARINE SEISMIC OBSERVER'S DATA

DATE MO ___ DAY ___ YR ___ FOR PAGES 1 TO 8

CLIENT	PROSPECT	AREA	VESSEL	COST CENTER
PGC	CHARLOTTE SOUND	Q. CHARLOTTE IS	EDWARD VETTER	2972
LINE NO: QC88-02B	LINE ID: 2002	DIR'N: 227.8		PARTY MANAGER: C. PARFIT

SHIPMENT NO: 2972 -

DISTANCES



CNP TO STERN 35.2 M
PRIMARY ANTENNA ___ M TO CNP BEARING TO CNP ___ DEG
FATHOMETER ___ M AFT OF PRIMARY ANTENNA

MEASURED SOURCE TO NEAR GROUP OFFSET
PORT OR SINGLE ___ M STBD ___ M

REMARKS
(EG - LINE STATUS OVERLAPS BAD (DEADY OR NOISY) TRACES ETC)

Line term due to gun bouys on cable

RECORDING PARAMETERS	
INSTRUMENT TYPE	75R
S/N	4
FILTER SETTINGS	HI 96 HZ SLOPE 72 DB/OCT
	LO 5 HZ SLOPE 18 DB/OCT
PREAMPLIFIER GAIN	H M (L) 12 DB
SAMPLE RATE	4 MS
RECORD LENGTH	14 SECS
TAPE FORMAT SEG	D
PACKING DENSITY	6CR 6250 BPI
SYSTEM DELAY (ON TAPE)	0 MS
BYTES IN HEADER	
EXTENDED HEADER USED	YES
DELAY RECORD MODULE USED	0 SECS
TAPE LENGTH	3600 FT
REVERSED TRACES	—
GAIN MODE	FLOAT
TIMEBREAK WINDOW	32 MS
SHOTPOINT INTERVAL	45 M
FOLD COVERAGE	45 %
POLARITY POSITIVE PRESSURE ON PHONE GIVES	
NEGATIVE ✓ / POSITIVE ☐ — NO ON TAPE — UPBREAK ☐ / DOWNBREAK ✓ — ON DISPLAY	
CAMERA DISPLAY METHOD	OVIS / EVENS
SINGLE TRACE DISPLAY SOURCE	275
NUMBER OF AUX CHANNELS	1

DEPTH TRANSDUCER SENSORS

PORT	7	31	55	79	103	127	151	175	211	235		
STBD												

COMPASS SENSORS

PORT					SAME							
STBD												

CABLE LEVELERS (BIRDS)

PORT					SAME							
STBD												

USE PORT FOR SINGLE STREAMER

GROUP LOCATIONS IN STREAMER

FSP = 10329 FRN = 101 TOT SPS = 1761
LSP = 12089 LRN = 1853 TOT RNS = 1753

BAD RECORDS
AF = 2
OTHER = ___
MSP = 11
NS = ___ INST = 3
TAPES USED = 16

NOISE LEVELS BOL
PORT OR SINGLE ___ UB TO ___ UB
STBD ___ UB TO ___ UB EOL
PORT OR SINGLE ___ UB TO ___ UB
STBD ___ UB TO ___ UB

SOURCE DETAILS	
SOURCE TYPE AND SIZE	
SOURCE DEPTH	M
AIRGUN PRESSURE	2000 PSI
SOURCE FIRING DELAY	51.2
STREAMER TYPE	MUX
CABLE DETAILS	
NUMBER OF GROUPS	240
GROUP LENGTH	15 M
NUMBER OF PHONES/GROUP	40
TARGET STREAMER DEPTH	10 M
STREAMER LENGTH (CENTER NEAR GP TO CENTER FAR GP)	3600 M
PORT OR SINGLE	M
STBD	M
LENGTH OF ONE STRETCH	100
NUMBER OF FRONT STRETCH SECTIONS	2
PORT OR SINGLE	
STBD	
TSR/FCS ONLY	
NUMBER OF SEMS IN USE	20
PORT OR SINGLE ( ) STBD ( )	
FCS ONLY	
OFDS SEM OBUS ALLOCATION	
OBUSA SEM ___ TO SEM ___	
OBUSB SEM ___ TO SEM ___	

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Form MLD 0586-01

MARINE SEISMIC OBSERVER'S LOG

CLIENT: PGC
LINE No: QCSS-2B
PROSPECT: CHARLOTTE SOUND
LINE ID#: 2002
AREA: Q. CHARLOTTE IS.
DIR'N: 227.8
DATE: MO 07 DAY 03 YR 99
M/V: EDWARD O. VETTER
DUR. STREAMER SPREAD: ____ M
PAGE 2 OF 8
PARTY: 2472
OBSERVER: PARIC

REEL NUMBER	TAP	SHOTPT	RECORD NUMBER	TIME (GMT)	WATER DEPTH METERS	NEAR 12	11	10	9	8	7	6	5	4	3	2	1	B/O RECORDS NS	Other	MSR	AF	INST	F.A.	REMARKS
373012	2		1																					NOISE TEST FOR BOL
		10329	101	12:17		12	12	12	12	12	12	12	12	12	12								2.5	BOL
		10334	106																					RAW ERROR
		10353	125	12:25		12	12	12	12	12	12	12	12	12	12								3.7	GOOD RECORD
		10378	150	12:33		12	12	12	12	12	12	12	12	12	12								4	GOOD RECORD
		10403	175	12:42		12	12	12	12	12	12	12	12	12	12								5.2	GOOD RECORD
		10428	200	12:50		12	12	12	12	12	12	12	12	12	12								7.6	GOOD RECORD
		10437	209																					EOT
373013	1	10438	210	12:53		10	12	12	12	12	12	12	12	12	12								7.4	BOT
		10453	225	12:58		10	12	12	12	12	12	12	12	12	12								8.6	GOOD RECORD
		10773	245																					SYNC ERRORS
		10774	246																					SYNC. ERRORS
		10775	247																					SYNC. ERROR.
		10476	248			10	12	12	12	12	12	12	12	12	12								7.9	NEXT GOOD RECORD
		10502	274	13:13		11	12	12	12	12	12	12	12	12	12								8.5	GOOD RECORD
		10548	320																					EOT
373014	2	10549	321	13:31		12	12	12	12	12	12	12	12	12	12								5.3	BOT
		10578	370	13:42		11	12	12	12	12	12	12	12	12	12								9.4	GOOD RECORD
		10643	415	14:03		11	12	12	12	12	12	12	12	12	12								7.2	GOOD RECORD
		10665	437																					EOT
373015	1	10666	438	14:10		13	12	12	12	12	12	12	12	12	12									BOT

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MARINE SEISMIC OBSERVER'S LOG

CLIENT: PLC
LINE No: 0688-2B
PROSPECT: CHARLOTTE SOUND
LINE ID#: 2002
AREA: Q. CHARLOTTE IS.
DR'N: 2274
DATE: MO 07 DAY 03 YR 88
M/V: EWARD G. JETTER
DUAL STREAMER SPREAD: ____ M
PAGE 3 OF 3
PARTY: 2172
OBSERVER: PRRIC

REEL NUMBER	TAP	SHOTPT	RECORD NUMBER	TIME (GMT)	WATER DEPTH METERS	NEAR 10	9	8	7	6	5	4	3	2	1	BAD RECORDS NS	OTHER	MSP	AF	INST	F.A.	REMARKS
		10714	485	14:25		12	12	12	12	12	12	12	12	12	12						4.1	GOOD RECORD
		11749	521																			SHIP TURNING STBI TO AVOID LEG
		10763	535	14:42		12	12	12	12	12	12	12	12	12	12						2.4	GOOD RECORD
		10782	554																			EOT
373016	2	10787	555	14:45		13	13	13	12	12	12	12	12	12	12						5.4	BOT
		10823	600	15:03		13	12	13	12	12	12	12	12	12	12						3.2	GOOD RECORD
		10863	635	15:14		13	12	12	12	12	12	12	12	12	12						4.2	GOOD RECORD
		10849	671																			EOT
373017	1	10900	672	15:26		13	12	12	12	12	12	12	12	12	12						5.3	BOT
		10948	720	15:41		12	12	12	12	12	12	12	12	12	12						6.4	GOOD RECORD
		10978	750	15:51		12	12	12	12	12	12	12	12	12	12						8.5	GOOD RECORD
		11016	788																		11.7	EOT
373018	2	11017	789	16:03		11	12	12	12	12	12	12	12	12	12						16.7	BOT
		11025	797	16:06		12	12	12	12	12	12	12	12	12	12						13.7	GOOD RECORD
		11044	816	16:12		12	12	12	12	12	12	12	12	12	12						14.6	GOOD RECORD
						11	12	12	12	12	12	12	12	12	12						14.5	GOOD RECORD
		11072	844																			GOOD RECORD
		11073	845																	X		NO GOOD RECORD
		11074	-1															X				
		11075	-1															X				
		11076	-1															X				

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(TSR) MARINE SEISMIC OBSERVER'S LOG

CLIENT: PGC
PROSPECT: CHARLOTTE SOUND
AREA: Q. CHARLOTTE IS.
M.V.: EDWARD O. VETTER
PARTY: 2473
LINE NO.: QC88-2B
LINE TOT: 2002
CHLN: 227.8
DATE: MO 07 DAY 02 YR 88
OBSERVER: PARK

REEL NO.	TAP	SHOTPT.	REC. NO.	TIME (GMT)	WATER DEPTH METERS	NEAR 16	7	8	3	6	5	4	3	2	FAR 1		BAD RECORDS NS	OTHER	MSP	AF	INST	F.A.	REMARKS OFFSET: ____ M
		11077	847																		X		Sync error
		11078	-1																X				
		11079	-1																X				
		11080	849																		X		Syncerror
		11081	-1																X				
		11082	-1																X				
		11083	851	1624																			Good Record
		11084	852	1624																			Good Record
		11107	875	16:32		12	12	12	12	12	12	12	12	12	12							12.5	Good Record
		11132	900	16:40		12	12	12	12	12	12	12	12	12	12							13.5	
		11143	911																				EOT
373019	1	11144	912	16:44	85.5	11	12	12	12	12	12	12	12	12	12							14.2	BOT
		11162	930	16:49	80.2	10	12	12	12	12	12	12	12	12	12							14.3	Good Record
		11177	945	16:55	79.5	10	12	12	12	12	12	12	12	12	12							14.5	Good Record
		11192	960																			15.6	
		11207	975																			15.1	
		11227	995																			15.1	
		11232	1000																			15	

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(TSR) MARINE SEISMIC OBSERVER'S LOG

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CLIENT: PGS
LINE NO: CC 89-2B
PROJECT: CHARLOTTE SOUND
LINE ID#: 2002
AREA: Q: CHARLOTTE SS.
CMPN: 227.8
M/V: EDWARD L. LETTER
DATE: NO 07 DAY 07 YR 89
PARTY: 2972
OBSERVER: PRMC

REEL NO.	FILE	SHOTPT.	REC. NO.	TIME OUT	WATER DEPTH METERS	NEAR 10	9	8	7	6	5	4	3	2	1	FAR	BAD RECORDS VS	DIMP	VSP	AF	VST	FLN.	REMARKS (CASSETTE ____ M)
		11247	1015																			15.5	
		11257	1025																			15.9	
		11260	1028																				EOT
373020	2	11261	1029	17:23	72	11	12	12	12	12	12	12	12	12	12							17	BOT
		11272	1040																			17.3	
		11282	1050																			12	
		11292	1060																			17	
		11302	1070																			16.6	
		11312	1080																			18.5	
		11322	1090																			18.7	
		11332	1100																			19.6	
		11342	1110																			20.1	
		11352	1120																			19.8	
		11362	1130																			20.4	
		11372	1140																			20.1	
		11373	1145																				EOT
373021	1	11378	1146	18:04	76.4	8	12	12	12	12	12	12	12	12	12							20.9	BOT
		11392	1160																			19.1	
		11402	1170																			19.1	
		11412	1180																			17.5	
		11422	1190																			19	

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(TSR) MARINE SEISMIC OBSERVER'S LOG

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CLIENT: ELC	PROSPECT: CHARLOTTE SOUND	AREA: W. CHARLOTTE IS	M/V: EDWARD C JETTER
LINE NO.: QC98-28	LINE ID#: 2002	DIR'N: 223.8	DATE: MO 07 DAY 03 YR 98
PARTY: 2972	OBSERVER: PRICE		

REEL NO.	TYP	SHOTPT.	REC. NO.	TIME (GMT)	WATER DEPTH METERS	NEAR 10	9	8	7	6	5	4	3	2	1	FAR	BAD RECORDS NS	DIMM	MSP	AF	INST	F.M.	REMARKS OFFSET: ____ M
		11432	1200																			16.1	
		11442	1210																			17	
		11452	1220																			16.2	
		11462	1230																			15.2	
		11472	1240																			17.5	
		11482	1250																			16.5	
		11494	1262																				
373022	2	11495	1263	18:46	83.9	10	13	12	12	12	12	12	12	12	12							16.2	
		11507	1275																			16	
		11522	1290																			15.4	
		11532	1300																			15.7	
		11552	1320	1905																		16.3	
		11562	1330	1912																		16.6	
		11572	1340	1916																		17.4	
		11582	1350	1919																		17.2	
		11589	1357																	✓			
		11590	1358																	✓			
		11592	1360	1:22																		18.5	
		11602	1370	1627																		19.0	
		11611	1379																				End
373023	1	11612	1380	1930	84.6	11	12	12	12	12	12	12	12	12	12							16.4	Bot

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(TSR) MARINE SEISMIC OBSERVER'S LOG

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CLIENT: PGC
LINE NO.: GC88-2R
PROSPECT: The Sound
LINE ID#: 2002
AREA: Queen Charlotte Isle
DIR'N: 227 E
M/V: E.C. Hatter
DATE: MO 7 DAY 3 YR 88
PARTY: 2972
OBSERVER: Redbourne

REEL NO.	TAP	SHOTPT.	REC. NO.	TIME (GMT)	WATER DEPTH METERS	NEAR 10	9	8	7	6	5	4	3	2	1 FAR	BAD RECORDS NS	Other	MSP	AF	INST	F.A.	REMARKS (OFFSET: ___ M)
373023	1	11622	1390	1934																	19.6	
		11632	1400	1938																	20.3	
		11642	1410	1941																	19.2	
		11652	1420	1945																	19.9	
		11672	1440	1952																	20.0	
		11682	1450	1956	85	11	13	12	12	12	12	12	12	12	12						20.2	
		11692	1460	2000																	20.4	
		11702	1470	2003																	20.1	
		11712	1480	2007																	17.9	
		11722	1490	2011																	17.5	
		11728	1496																			EOT
373024	2	11729	1002	2012		12	12	12	12	12	12	12	12	12	12						17.3	BOT
		11742	1510	2017																	16.5	
		11752	1520	2021																	17.0	
		11762	1530	2025																	17.5	
		11772	1540	2029																	16.4	
		11782	1550	2036	91	12	12	12	12	12	12	12	12	12	12						17.1	
		11812	1570	2043																	[illegible]	
		11822	1580	2047																	16.8	
		11832	1600	2051																	17.9	
		11842	1610	2055																	16.7	

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MARINE SEISMIC OBSERVER'S LOG

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CLIENT: DGC
PROSPECT: THE SOUND
AREA: QUEEN CHARLOTTE ISLE
M/V: E.C. VETTER
PARTY: 2972
LINE NO.: QC88-7B
LINE ID#: 2002
DRN: 227.8
DATE: MO 7 DAY 7 YR 88
OBSERVER: Rodriguez

REEL NO.	TAPE	SHOTPT.	REC. NO.	TIME (GMT)	WATER DEPTH METERS	NEAR 13	12	11	2	6	5	4	3	2	1	FAR	BAD RECORDS TIS	OTHER	MSP	AF	INST	F.A.	REMARKS OFFSET: ____ M
		11945	1613																				
373025	1	11946	1614	2057	90	12	12	12	12	12	12	12	12	12	12							16.2	EOT BOT
		11952	1620	2059																		15.1	
		11952	1620	2104																		12.5	
		11992	1660	2119																		9.9	
		11912	1680	2126	76	9	12	12	12	12	12	12	12	12	12							7.7	
		11962	1730																				EOT
373026	2	11963	1731	2148		10	13	12	12	12	12	12	12	12	12							1.7	BOT
		12009	-1																X				GPS Position Jump
		12011	-1																X				"
		12014	-1																X				"
		12016	-1																X				"
	2	12034	1798	2219	91	10	12	12	12	12	12	12	12	12	12							9.1	
		12050	1814	2222																		11.5	
		12060	1824	2231																		12.1	
		12070	1834	2236																		13.9	
		12080	1844	2240																		15.3	
		12083	1847																				EOT
373027	1	12084	1848	2242		11	13	12	12	12	12	12	12	12	12							11.	BOT
		12089	1853	2244	92																		EOL
			1854																				NOISE 10 SEC
			1855																				~~NOISE 10 SEC~~ 17 sec.
			1856																				Leakage test

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