BIN 4385

Chevron

Chevron Canada Resources Limited

GRID 103BSE/NE/NW 103GSW LINE QC88-04

PROSPECT QUEEN CHARLOTT

S.P.'s 102-3474

CREW GSI DATE 1988

SCO# 42860 0402

REMARKS:

1033SE 102-964 / 1033NE 965-1662 / 1033NW 1663-2277 / 1033SW 2278-3474

[redacted] SP: 1013414 1033SW

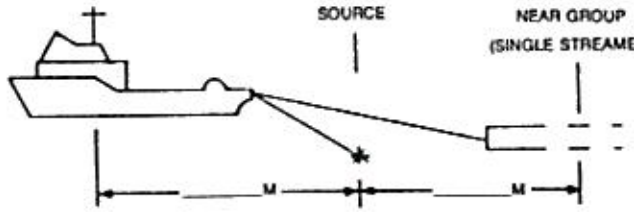
MARINE SEISMIC OBSERVER'S DATA

DATE MO ___ DAY ___ YR ___ FOR PAGES 1 TO 9

CLIENT	PROSPECT	AREA	VESSEL	COST CENTER
PGC	CHARLOTTE SOUND	Q. CHARLOTTE IS.	VETTER	2972
LINE No.	LINE ID.	DIR'N		PARTY MANAGER
QC88-04A	1004			C. PARFITT

SHIPMENT No. 2972 - -88- -

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)

231, 131, 112 ARE WEAK TRACES

RECORDING PARAMETERS:	
INSTRUMENT TYPE	TSR
S/N	41
FILTER SETTINGS	HI 40 HZ SLOPE 72 DB/OCT.
	LO 8 HZ SLOPE 18 DB/OCT.
PREAMPLIFIER GAIN	H M/D 12 DB
SAMPLE RATE	4 MS
RECORD LENGTH	14 SECS
TAPE FORMAT:SEG	D
PACKING DENSITY:	GCR 6250 BPI
SYSTEM DELAY (ON TAPE)	0 MS
BYTES IN HEADER	
EXTENDED HEADER USED	(YES) NO
DELAY RECORD MODULE USED	0 SECS
TAPE LENGTH:	3600 FT.
REVERSED TRACES	—
GAIN MODE:	FIXED (FLOAT)
TIMEBREAK WINDOW:	32 MS
SHOTPOINT INTERVAL	45 M
FOLD COVERAGE	40 %
POLARITY:POSITIVE PRESSURE ON PHONE GIVES	
NEGATIVE ☑ POSITIVE ☐	NO ON TAPE
UPBREAK ☐ DOWNBREAK ☑	ON DISPLAY
CAMERA DISPLAY METHOD	ODDS/EVENS
SINGLE TRACE DISPLAY SOURCE	235
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 = 101 FRN = 101 TOT SPS = 3374

LSP = 3474 LRN = 3472 TOT RNS = 3372

BAD RECORDS

AF = 12

OTHER = ___

MSP = 2

NS = ___ INST = ___

TAPES USED = 31

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	12 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	
DFOS SEM OBUS ALLOCATION	
OBUSA: SEM ___ TO SEM ___	
OBUSB: SEM ___ TO SEM ___	

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Form MLD 0586-01

(TSR) MARINE SEISMIC OBSERVER'S LOG

CLIENT	PROSPECT	AREA	M/V	PARTY
PGC	CHARLOTTE SOUND	Q: CHARLOTTE ES	VETTER	2972
LINE No.	**LINE ID#**	**DIR'N**	**DATE**	**OBSERVER**
Q C88-04A	1004	340:1	MO 07 DAY 11 YR 88	PRPIC

REEL NO.	TXP	SHOTPT.	REC. NO.	TIME (GMT)	WATER DEPTH METERS	STREAMER DEPTH IN METERS NEAR 10	9	8	7	6	5	4	3	2	FAR 1	BAD RECORDS NS	Other	MSP	AF	INST	F.A.	REMARKS (OFFSET: ____ M)
373148	2		1																			NOISE TEST FOR BOL
		101	101	8:38	200	11	12	12	12	12	12	12	12	12	11						-1.2	BOL
		120	120																		-.4	
		140	140																		.4	
		160	160	8:59	193	11	12	12	12	12	12	12	12	12	11						1.4	
		180	180																		1.5	SPEED 4.3 KTS
		200	200																		2.4	
		212	212																			EOL
373149	0	213	213	9:16	190	11	12	12	12	12	12	12	12	12	11						3.2	BOL
		240	240																		5.2	
		260	260																		5.6	
		280	280	9:40	180	10	12	12	12	12	12	12	12	12	11						6.4	SPEED 4.1 KTS
		300	300																		7.3	
		324	324																			BOL
373150	2	325	325	9:56	180	12	12	12	12	12	12	12	12	12	12						7.6	BOL
		340	340																		7.2	
		365	365																		5.4	
		385	385	10:18	169	10	12	12	12	12	12	12	12	12	12						4.4	SPEED 4.1 KTS
		400	400																		2.9	
		405	405																✓			AF (GUN 32)
		420	420																		1.6	

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(TSR) MARINE SEISMIC OBSERVER'S LOG

CLIENT	PROSPECT	AREA	M/V	PARTY
PGC	CHARLOTTE SOUND	Q. CHARLOTTE IS.	EDWARD O. VETTER	2472
LINE No.	**LINE ID#**	**DIR'N**	**DATE**	**OBSERVER**
QC 88-04A	1004	340.1	MO 07 DAY 11 YR 88	PRPIC

REEL NO.	TXP	SHOTPT.	REC. NO.	TIME (GMT)	WATER DEPTH METERS	NEAR 14	9	8	7	6	5	4	3	2	FAR 1		BAD RECORDS NS	Other	MSP	AF	INST	F.A.	REMARKS OFFSET: ____ M
		436	436																				EOT
373151	0	437	437	10:37	163	11	12	12	12	12	12	12	12	12	11							.9	BOT
		470	470																			.4	
		490	490	10:58	148	10	12	12	12	12	12	12	12	12	11							.2	SPEED 3.9 KTS
		510	510																			.3	
		525	525																			.1	
		548	548																				EOT
373152	2	549	549	11:21	130	12	12	12	12	12	12	12	12	12	12							-.7	BOT
		580	580																			-2.4	
		600	600																			-2.5	
		620	620	11:49	121	10	12	12	12	12	12	12	12	12	11							-2.1	SPEED 3.9 KTS
		640	640																			-1.8	
		660	660																				EOT
373153	0	661	661	12:04	122	11	12	12	12	12	12	12	12	12	11							-1.4	BOT
		685	685																			-.9	
		700	700																			-1.5	
		720	720	12:27	113	11	12	12	12	12	12	12	12	12	12							-3.5	SPEED 3.8 KTS
		722	722																	✓			AF (2C)
		750	750																			-5.1	
		772	772																				EOT
373154	2	773	773	12:47	105	11	12	12	12	12	12	12	12	12	12	1						-6.1	BOT

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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: 2972
LINE No.: QCS8-04A
LINE ID#: 1004
DIR'N: 340.1
DATE: MO 07 DAY 11 YR 88
OBSERVER: PRPIC

REEL NO.	TXP	SHOTPT.	REC. NO.	TIME (GMT)	WATER DEPTH METERS	NEAR 10	9	8	7	6	5	4	3	2	FAR 1	BAD RECORDS NS	Other	MSP	AF	INST	F.A.	REMARKS (OFFSET: ____M)
373154	2	800	800																		-6.9	
		820	820																		-7.5	
		840	840	13:12	115	12	12	12	12	12	12	12	12	12	12						-7.6	SPEED 3.8 KTS
		860	860	13:20	117	12	12	12	12	12	12	12	12	12	12						-7.2	
		884	884																			EOT
373155	0	885	885	13:28	130	11	12	12	12	12	12	12	12	12	11						-6.8	BOT 3.9 KTS
		905	905																		-7	
		930	930																		-6.1	
		950	950	13:52	138	11	12	12	12	12	12	12	12	12	11						-6.6	SPEED 4 KTS
		975	975																		-6.8	
		996	996																			EOT
373156	2	997	997	14:08	134	11	12	12	12	12	12	12	12	12	11						-7.1	BOT
		1020	1020																		-7	
		1027	1027																V			AF (GUN 26)
		1050	1050																		-6.9	
		1060	1060	14:31	116	12	12	12	12	12	12	12	12	12	11						-6.8	SPEED 4.1 KTS
		1085	1085																		-6.6	
		1108	1108																			EOT
373157	0	1109	1109	14:49	137	12	12	12	12	12	12	12	12	12	11						-6.4	BOT
		1130	1130																		-6.1	
		1150	1150																		-5.7	

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(TSR) MARINE SEISMIC OBSERVER'S LOG

CLIENT	PROSPECT	AREA	M/V	PARTY
PGC	CHARLOTTE SOUND	Q. CHARLOTTE IS.	EDWARD A VETTER	2972
LINE No. QC88-04A	LINE ID# 1004	DIR'N 340:1	DATE MO 07 DAY 11 YR 88	OBSERVER PAPIC

REEL NO.	TXP	SHOTPT.	REC. NO.	TIME (GMT)	WATER DEPTH METERS	NEAR 10	9	8	7	6	5	4	3	2	FAR 1		BAD RECORDS NS	Other	MSP	AF	INST	F.A.	REMARKS (OFFSET: ____ M)
		1180	1180	11:14	105	12	12	12	12	12	12	12	12	12	12							-4.7	SPEED 4.3
		1200	1200																			-4.4	
		1220	1220																				EOT
373158	2	1221	1221	15:27	98	12	12	12	12	12	12	12	12	12	12							-3.8	BOT
		1245	1245																			-3.4	
		1265	1265																			-3.9	
		1280	1280	15:47	96	12	12	12	12	12	12	12	12	12	12							-3.8	SPEED 4.5 KTS
		1300	1300																			-3.8	
		1332	1332																				EOT
373159	0	1333	1333	16:03	93	12	12	12	12	12	12	12	12	12	12							-3.7	BOT
		1360	1360																			-3.5	
		~~1372~~	~~1372~~																	✓			AF (GUN 16)
		~~1380~~	~~1380~~																			-3.5	
		1400	1400	16:24	83	12	12	12	12	12	12	12	12	12	12							-3.5	SPEED 4.7 KTS
		1420	1420																			-3.4	
		1444	1444																				EOT
373160	2	1445	1445	16:38	75	12	12	12	12	12	12	12	12	12	12	12						-3.6	BOT
		1470	1470																			-4	
		1490	1490																			-3.9	
		1518	1518	17:01	61	12	12	12	12	12	12	12	12	12	12	12						-3.6	SPEED 4.9 KTS
		1535	1535																			-3.3	
		1556	1556																				EOL

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(TSR) MARINE SEISMIC OBSERVER'S LOG

CLIENT: PGC
LINE No.: QC88-04A
PROSPECT: CHARLOTTE SOUND
LINE ID#: 1004
AREA: Q. CHARLOTTE IS.
DIR'N: 340.1
M/V: EDWARD O. VETTER
DATE: MO 07 DAY 21 YR 88
PARTY: 2472
OBSERVER: PAPIC

REEL NO.	TXP	SHOTPT.	REC. NO.	TIME (GMT)	WATER DEPTH METERS	STREAMER DEPTH IN METERS NEAR 10	9	8	7	6	5	4	3	2	FAR 1	BAD RECORDS NS	Other	MSP	AF	INST	F.A.	REMARKS (OFFSET: ____ M)
373161	0	1557	1557	17:12	57	12	12	12	12	12	12	12	12	12	11						-2.8	BOL
		1580	1580																		-2.2	
		1600	1600																		-2	
		1620	1620	17:30	43	12	12	12	12	12	12	12	12	12	12						-2.4	SPEED 4.8 KTS
		1668	1668																			EOT
373162	2	1669	1669	17:44	40	12	12	12	12	12	12	12	12	12	12						-3	BOT
		1700	1700																		-3.1	
		1720	1720																		-2.8	
		1742	1742	18:07	36	12	12	12	12	12	12	12	12	12	12						-2.7	SPEED 5 KTS
		1760	1760																		-2.4	
		1765	1765																✓			AF (GUN 5)
		1766	1766																✓			AF (GUN 5)
		1780	1780																			EOT
373163	0	1781	1781	18:18	34	12	12	12	12	12	12	12	12	12	12						-1.1	BOT
		1805	1805																		0	
		1830	1830																		.9	
		1861	1861	18:44	35	12	12	12	12	12	12	12	12	12	12						1.5	SPEED 4.3 KTS
		1880	1880																		2.4	
		1892	1892																			EOT
373164	2	1893	1893	18:55	60	12	12	12	12	12	12	12	12	12	12						2.7	BOT
		1946	1946	1913		13	12														4.8	

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(TSR) MARINE SEISMIC OBSERVER'S LOG

CLIENT: PGC | PROSPECT: The Sound | AREA: Q CHARLOTTE ISLE | M/V: E.O. VETTER | PARTY: 2972

LINE No.: QC88-04A | LINE ID#: 1004 | DIR'N: 340.1 | DATE: MO 7 DAY 11 YR 88 | OBSERVER: Redbourne

OFFSET: 100 M

REEL NO.	TXP	SHOTPT.	REC. NO.	TIME (GMT)	WATER DEPTH METERS	STREAMER DEPTH IN METERS NEAR 10	9	8	7	6	5	4	3	2	FAR 1	BAD RECORDS NS	Other	MSP	AF	INST	F.A.	REMARKS
		2004	2004																			EOT Note: digicourse depth
373165	0	2005	2005	1935	33	12	12	12	12	12	12	12	12	12	12						6.4	BOT controller, intermittent
		2116	2116																			EOT No Response (#5)
373166	2	2117	2117	2017	35	12	12	12	12	12	12	12	12	12	12						5.7	BOT
		2172	2172	2037	29	12	12	12	12	12	12	12	12	12	12						6.3	
		2228	2228																			EOT
373167	0	2229	2229	2057	30	12	12	12	12	12	12	12	12	12	12						5.7	BOT
		2295	2295	2122	34	12	12	12	12	12	12	12	12	12	12						5.3	
		2340	2340																		5	EOT
373168	2	2341	2341	2139	35	12	12	12	12	12	12	12	12	12	12						5.0	BOT
		2397	2397	2159	38	12	12	12	12	12	12	12	12	12	12						4.7	
		2450 2452	2450 2452																X			gun go down A/L. EOT
373169	0	2453	2453	2220	36	12	12	12	12	12	12	12	12	12	12						5.0	B.O.T
		2478	2478																X			AF
		2479	2479																X			AF
		2480	2480																X			AF
		2494	2494																X			
		2564	2564																			EOT
373170	2	2565	2565	2301	33	12	12	12	12	12	12	12	12	12	12						2.7	BOT
		2618	2618	2320	35	12	12	12	12	12	12	12	12	12	12						.9	traces 1-7 noisy
		2640	2640	2328																		" " QUIET

(TSR) MARINE SEISMIC OBSERVER'S LOG

CLIENT: PGC | PROSPECT: The Sound | AREA: Q. CHARLOTTE ISLE | M/V: E.O. UETTER | PARTY: 2972
LINE No.: GC88-047 | LINE ID#: 1004 | DIR'N: 340.1 | DATE: MO 7 DAY 11 YR 88 | OBSERVER: Redbourne

REEL NO.	TXP	SHOTPT.	REC. NO.	TIME (GMT)	WATER DEPTH METERS	NEAR 10	9	8	7	6	5	4	3	2	FAR 1	BAD RECORDS NS	Other	MSP	AF	INST	F.A.	REMARKS (OFFSET: 100 M)
		2676	2676																			EOT
373171	0	2677	2672	2341	35	12	12	12	12	12	12	12	12	12	12						1.8	BOT
		2731	2731	0001	36	12	12	12	12	12	12	12	12	12	12						2.0	
		2746	2746																			traces 1-7 noisy
		2788	2788	0022		12	12															EOT " " QUIET
373172	2	2789	2789	0022	39	12	12	12	12	12	12	12	12	12	12						2.0	BOT
		2856	2856	0046	36	12	12	12	12	12	12	12	12	12	12						.8	
		2900	2900																			EOT
373173	0	2901	2901	01:04	32	12	12	12	12	12	12	12	12	12	12						.7	BOT ships speed 4.0 KTS.
		2955	2955	0122	31	12	12	12	12	12	12	12	12	12	12						1.9	
		3012	3012																			EOT
373174	2	3012	3013	0143	32	12	12	12	12	12	12	12	12	13	13						1.4	BOT
		3017	-1															X				NAV
		3022	-1															X				NAV
		3068	3066	0202	35	12	12	12	12	12	12	12	12	13	13						1.2	
		3126	3124																			EOT
373175	0	3127	3125	0224	33	12	12	12	12	12	12	12	12	13	13						.2	BOT
		3238	3236																			EOT
373176	2	3239	3237	0304	33	12	12	12	12	12	12	12	12	12	13						.5	BOT
		3296	3294	0324	31	13	12	12	12	12	12	12	12	12	13						.6	
		3350	3348																			EOT

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(TSR) MARINE SEISMIC OBSERVER'S LOG

CLIENT	PROSPECT	AREA	M/V	PARTY
PGC	The Sound	Q CHARLOTTE ISLE	E.O. VETTER	2972
LINE No.	**LINE ID#**	**DIR'N**	**DATE**	**OBSERVER**
QC88-04A	1004	340.7	MO 7 DAY 12 YR 88	Redhouse

REEL NO.	TXP	SHOTPT.	REC. NO.	TIME (GMT)	WATER DEPTH METERS	STREAMER DEPTH IN METERS NEAR 10	9	8	7	6	5	4	3	2	FAR 1	BAD RECORDS NS	Other	MSP	AF	INST	F.A.	REMARKS (OFFSET: ____ M)
373177	0	3357	3349	0344	28	12	12	12	12	12	12	12	12	12	12						7.0	BOT
		3408	3406	0403	28	12	12	12	12	12	12	12	12	12	12						-2.5	
		3431	3429																X			GUN 6
		3462	3460																			EOT
373178	2	3463	3461	0422	33	12	12	12	12	12	12	12	12	12	13						-3.3	BOT
		3474	3472	0426	37	12	12	12	12	12	12	12	12	13	13							EOL
			3473																			EOL NOISE 14 sec
			3474																			EOL NOISE 10 sec.
			3475																			IMPULSE TEST 10 sec
			3476																			Leakage Test 10 sec.

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