LINE NAME:

PCP-FAS-PC01011

REF:

104725

OBSERVERS

OBSERVERS LOG

LINE	0011A014

VESSEL	: R/V Geo Arctic
CLIENT	: PanCanadian Petr. Lmt.(PCP)
AREA	: Block # VIC/P48&VIC/P49
PROJECT	: 34867

	: 01:17	07:03
	: 1001	2977
	: 1001	2977
	: 16	16

LINE	: 0011A014
SEQ	: 14
DIR	: 179.6
DATE	: 29.12.01

Gun Pressure at SOL	2027 psi	Pressure EOL	1992 psi
Array Volume SOL	3660 cu in	Array Vol EOL	3660 cu in
Offset Shots: Gun 2-5	149 m	Gun 3-6	146 m

SOL		
WIND	:	5 m/s
WIND DIRECTION	:	45 deg
SWELL	:	1 m
SWELL DIRECTION	:	180 deg
CABLE DEPTH	:	8 m
AVER.NOISE	:	3.8 uB(4Hz)
AVER.NOISE	:	2.1 uB(8Hz)
DEPTH	:	2594 m
EOL		
WIND	:	5 m/s
WIND DIRECTION	:	45 deg
SWELL	:	0.5 m
SWELL DIRECTION		260 deg
AVER.NOISE	:	1.9 uB(8Hz)
AVER.NOISE	:	4.0 uB(4Hz)
DEPTH	:	2097 m
SOURCE DEPTH		6 m

Safonov Victor	Shendrik Vladimir
Bekezin Andrey	Usov Vladimir
(00:00-12:00)	(12:00-24:00)

0011A014							
GMT	TAPE	DRIVE	FILE	SHOT	Water depth(m)	F/A (deg)	COMMENTS
	16	01	91				WB Gun#2-5
			92				WB Gun#3-5
			93				Noise
01:16			995	995			**SOL FSP**
01:17	**16**	**01**	1001	1001	**2594**	**-3.1**	**FCSP**
01:24			1040	1040	2620	-3.0	
01:31			1080	1080	2652	-3.6	
01:38			1120	1120	2673	-5.0	
01:45			1160	1160	2701	-5.9	
01:52			1200	1200	2722	-6.1	
02:00			1240	1240	2744	-5.4	
02:07			1280	1280	2750	-4.7	
02:14			1320	1320	2782	-4.5	
02:21			1360	1360	2804	-4.7	
02:28			1400	1400	2825	-4.8	
02:35			1440	1440	2844	-5.2	
02:42			1480	1480	2872	-6.4	
02:49			1520	1520	2859	-7.4	
02:55			1560	1560	2850	-8.6	
03:02			1600	1600	2853	-9.8	SP#1605: feathering angle > 10deg.
03:09			1640	1640	2834	-11.0	
03:16			1680	1680	2821	-11.3	
03:23			1720	1720	2847	-10.8	
03:31			1760	1760	2847	-10.1	SP#1766: feathering angle < 10deg.
03:38			1800	1800	2794	-9.6	
03:44			1840	1840	2779	-9.7	
03:52			1880	1880	2741	-9.8	
03:59			1920	1920	2724	-9.9	
04:06			1960	1960	2696	-9.9	
04:13			2000	2000	2636	-9.9	
04:19			2040	2040	2590	-10.1	SP#2032: feathering angle > 10deg.
04:26			2080	2080	2564	-10.4	
04:33			2120	2120	2536	-10.7	
04:40			2160	2160	2496	-11.4	
04:47			2200	2200	2458	-12.0	
04:54			2240	2240	2440	-12.5	
05:01			2280	2280	2422	-11.5	
05:08			2320	2320	2393	-10.3	SP#2330: feathering angle < 10deg.
05:15			2360	2360	2377	-9.5	
05:22			2400	2400	2359	-9.5	
05:29			2440	2440	2339	-9.8	
05:36			2480	2480	2313	-9.5	
05:46			2520	2520	2317	-8.5	
05:50			2560	2560	2290	-7.2	
05:57			2600	2600	2274	-4.7	
06:05			2640	2640	2254	-2.1	
06:12			2680	2680	2225	0.2	
06:19			2720	2720	2205	1.8	
06:26			2760	2760	2173	3.4	
06:33			2800	2800	2150	4.6	
06:40			2840	2840	2121	6.2	
06:43			**2857**	**2857**	**2112**	**7.2**	**LCSP**
06:47			2880	2880	2098	8.1	

0011A014							
GMT	TAPE	DRIVE	FILE	SHOT	Water depth(m)	F/A (deg)	COMMENTS
06:54			2920	2920	2095	9.3	
07:00			2960	2960	2108	9.7	
07:03			2977	2977	2097	10.0	EOL. LSP.
07:04			2980	2980			LdSP
	16	01	2981				Noise

I/O MSX SYSTEM OBSERVER LOG

Sat Dec 29 01:09:08 2001

LINE INFORMATION

Client	PanCanadien Pet.Lim.
Prospect	2001 MIDAS 2D SURVEY
Line Name	0011A014
Crew/Party	
Operators	AMIGE
Weather	As Obs. Log
Seas	As Obs. Log
Heading	179.6 deg
Vessel	R/V Geo Arctic
Job Name	34867

I/O MSX SYSTEM OBSERVER LOG

CLIENT: PanCanadien Pet.Lim.

PROSPECT: 2001´MIDAS´2D SURVEY

SHOT	FILE	REEL	TU	FSID	DATE & TIME	EXCEPTION	COMMENT
0	91	16	01	0000 00000	Dec 29, 2001 - 01:03:26	UHTO; NF#; DSP; NFSID; BOR;	WB Gun#2.5
0	92	16	01	0000 00000	Dec 29, 2001 - 01:04:32	UHTO; DSP; NFSID;	WB Gun#3.6
0	93	16	01	0000 00000	Dec 29, 2001 - 01:07:12	UHTO; DSP; NFSID; ITB;	Noise
995	995	16	01	1363 15426	Dec 29, 2001 - 01:16:08	BOL; NF#; NSP; NFSID;	FSP
1001	1001	16	01	1363 15432	Dec 29, 2001 - 01:17:12		FCSP
2857	2857	16	01	1363 17288	Dec 29, 2001 - 06:43:16		LCSP
2977	2977	16	01	1363 17408	Dec 29, 2001 - 07:03:52		EOL. LSP
2980	2980	16	01	1363 17411	Dec 29, 2001 - 07:04:22		LdSP
0	2981	16	01	0000 00000	Dec 29, 2001 - 07:05:00	EOL; UHTO; NSP; NFSID; ITB;	Noise

EXCEPTION ABBREVIATION LIST

MNEMONIC	*DESCRIPTION*
BOL	Beginning of Line
BOR	Beginning of Reel
BYP	Tape is in Bypass Mode
COR1	Corrected Errors on Primary Tape Unit
COR2	Corrected Errors on Secondary Tape Unit
DF#	Duplicate File Number
DSP	Duplicate Shot Point
ETBK	Early Timebreak
EOL	End of Line
EHTO	Energy Source System header is not received within time limit
FAIL	Recording Failed
GAP1	Gap Errors on Primary Tape Unit
GAP2	Gap Errors on Secondary Tape Unit
GSTO	Gun signature dat is not received within time limit
ITB	Internal Timebreak
MOL	Middle of Line
NHTO	Nav System header is not received within time limit
NFSID	Non-sequential FSID
NSP	Non-sequential Shot Point
NF#	Non-sequential or Skipped File
PBK	Playedback file
RET1	Primary Tape Unit Retries
RET2	Secondary Tape Unit Retries
TE1-16	Telemetry error count
UHTO	Pre-built user header is not received within time limit

I/O MSX SYSTEM REEL LOG

Sat Dec 29 01:09:56 2001

LINE INFORMATION

Client	PanCanadien Pet.Lim.
Prospect	2001 MIDAS 2D SURVEY
Line Name	0011A014
Crew/Party	
Operators	AMIGE
Weather	As Obs. Log
Seas	As Obs. Log
Heading	179.6 deg
Vessel	R/V Geo Arctic
Job Name	34867

CLIENT: PanCanadien Pet.Lim. PROSPECT: 2001 MIDAS 2D SURVEY

I/O MSX SYSTEM REEL LOG

Sat Dec 29 01:09:56 2001

REEL NUMBER	TAPE UNIT	FILE COUNT	FIRST FILE LAST FILE	FIRST SP LAST SP	FIRST FSID LAST FSID	START DATE & TIME END DATE & TIME
16	01	1990	91 2981	0 0	0000 00000 0000 00000	Dec 29, 2001 - 01:03:26 Dec 29, 2001 - 07:05:00

PC01-0011a014

Reel #	**16**		**Date**	**29.12.01**		**Seq #**	**14**
FSP	**995**	**LSP**	**2980**	**FFFID**	**995**	**LFFID**	**2980**
FGSP	**1001**	**LGSP**	**2977**	**FGFFID**	**1001**	**LGFFID**	**2977**

Water Break - Channel Set 2

SOL SP:	1001	Offset:	152 ms	149 m
EOL SP:	2977	Offset:	152 ms	149 m

NearPhones - Channel Sets 3-18

Aux Chan	Comment	Aux Chan	Comment
3	Good	**11**	Good
4	Good	**12**	Good
5	Good	**13**	Good
6	Good	**14**	Good
7	Good	**15**	Good
8	Corrupted Signal	**16**	Good
9	Good	**17**	Good
10	Good	**18**	Good

Bad/Noisy channels:
Bad Shots:
Lost Shots:

Environmental Noise
Bird / retriever noise

(Amplitude Plots / NearTrace Plot)

RMS Noise Analysis
Average noise per line
(in RMS time gate)

(Time Gate 2000-2500 ms)

LCF 2 Hz	LCF 8 Hz
8.16	**4.99**

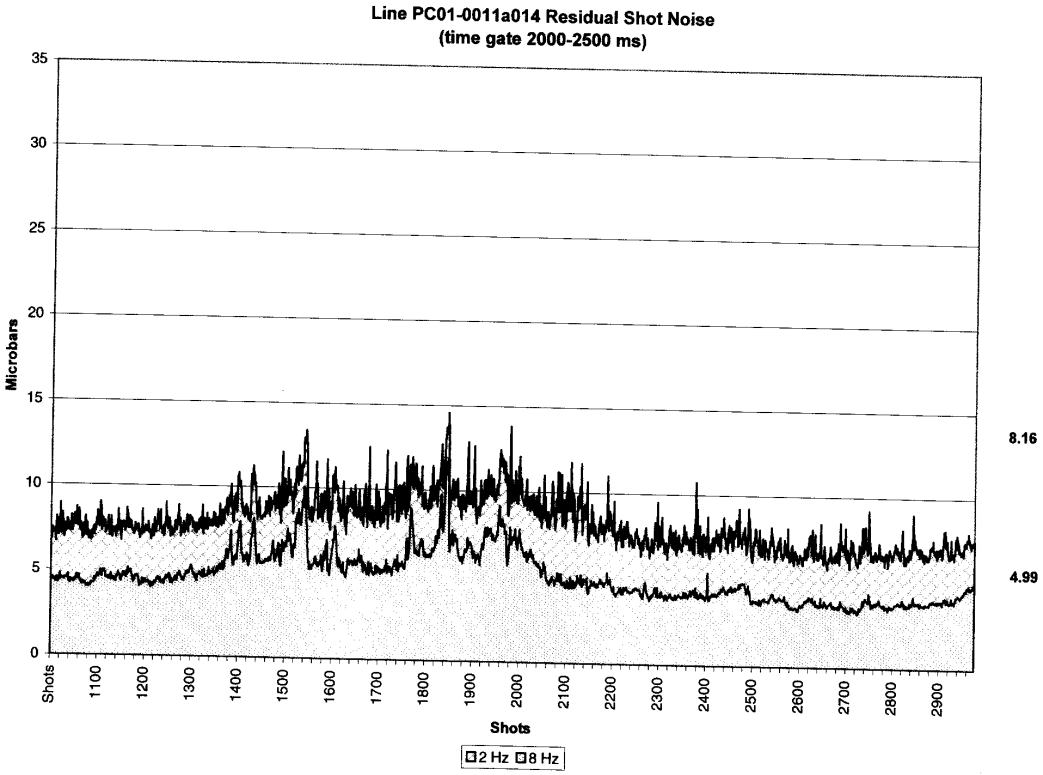
Channel Noise statistics (8 Hz):	# of Chan.	%	Av.noise
Noise level exc. 35 uB:	**0**	**0**	
Noise level exc. 15 uB:	**0**	**0**	
Noise level exc. 10 uB:	**0**	**0**	

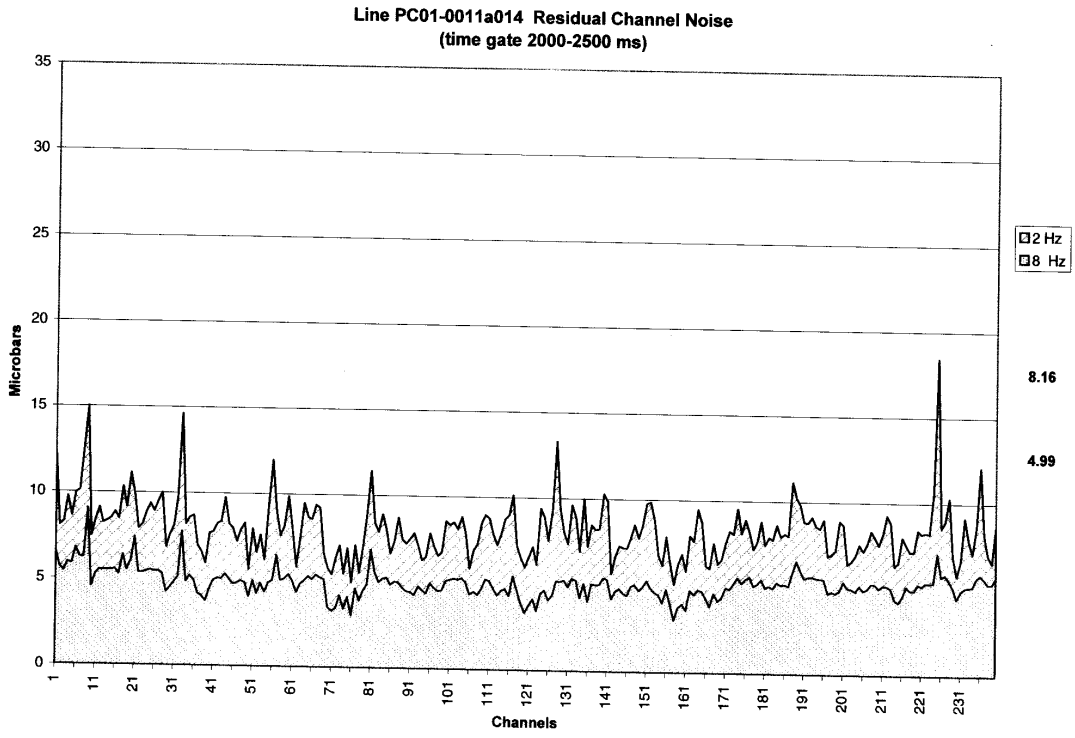
Brute Stack: **OK**

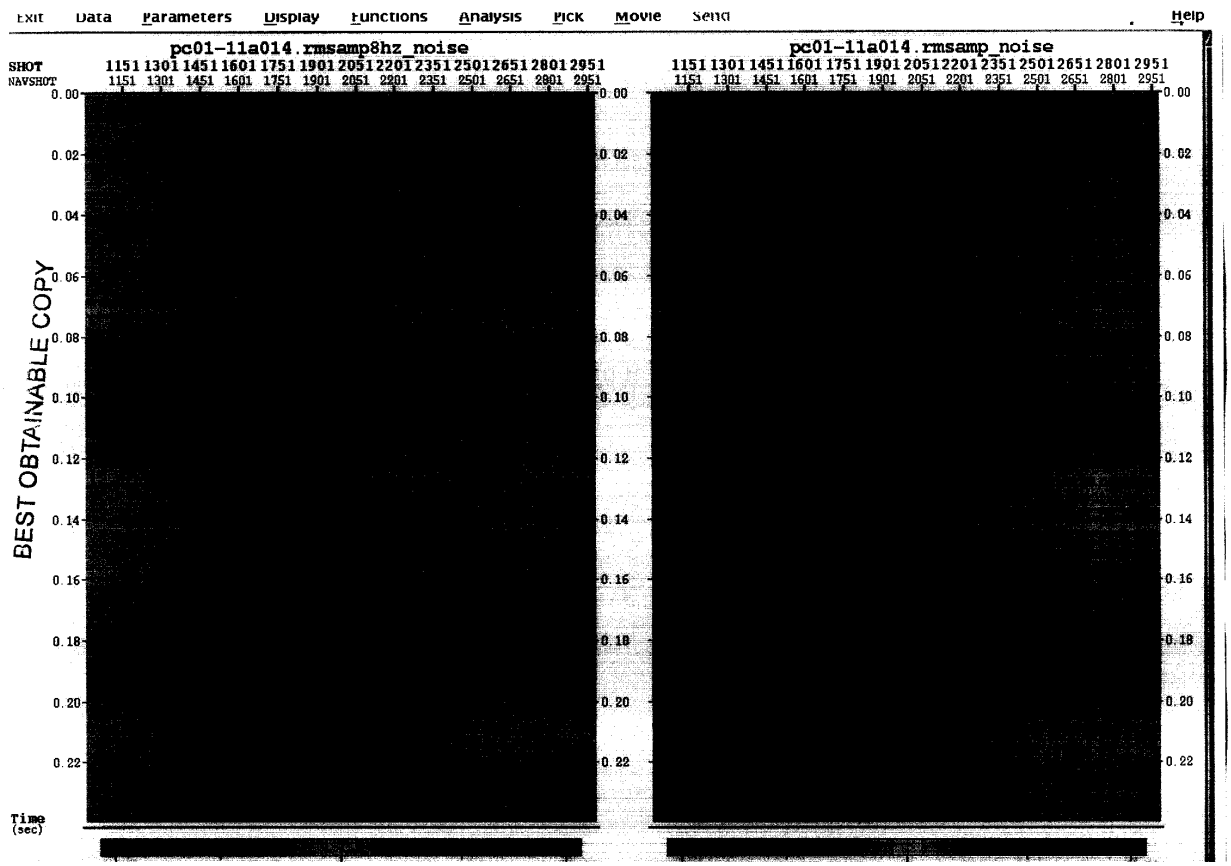
Velocity Comments:

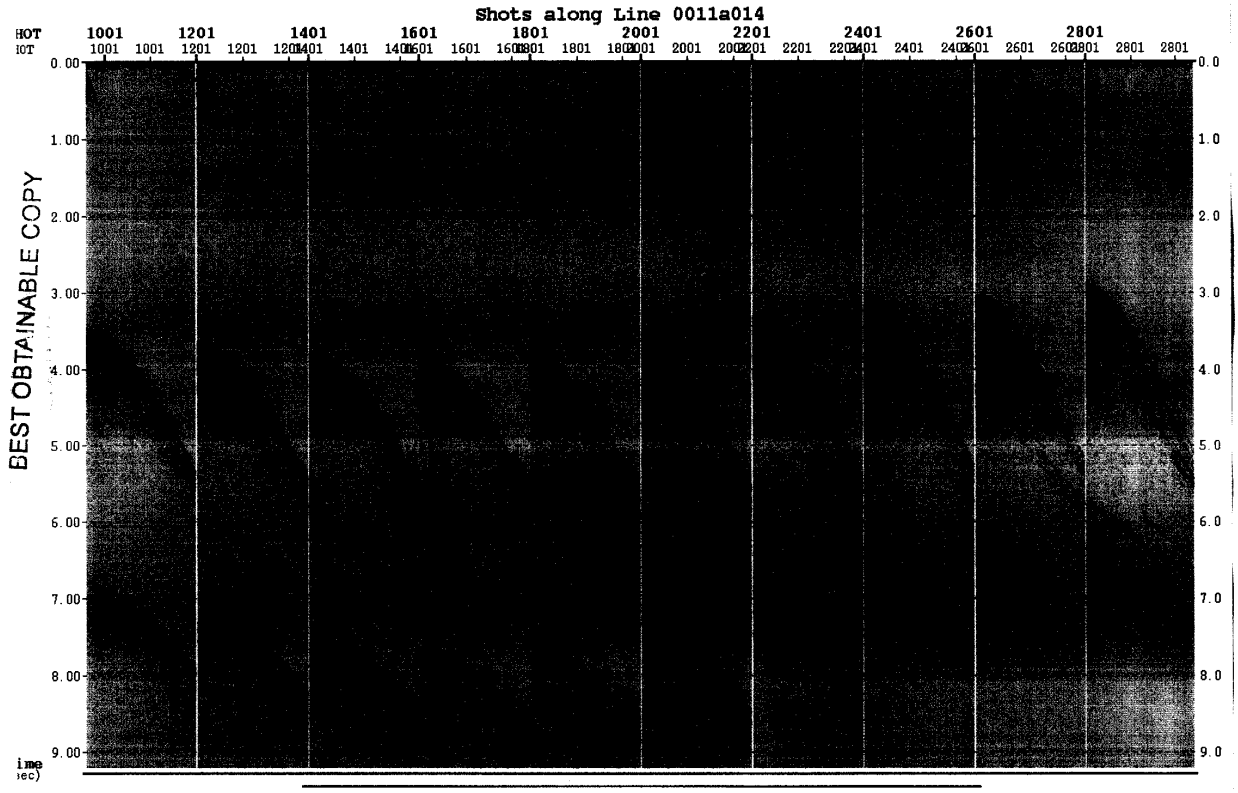
Additional Comments:

Multiples in analysis window increase noise level.


Line PC01-0011a014 Residual Shot Noise
(time gate 2000-2500 ms)
Microbars
35
30
25
20
15
10
5
0
Shots
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
Shots
2 Hz
8 Hz
8.16
4.99


Line PC01-0011a014 Residual Channel Noise
(time gate 2000-2500 ms)
Microbars
Channels
2 Hz
8 Hz
8.16
4.99


Exit Data Parameters Display Functions Analysis Pick Movie Send Help
pc01-11a014.rmsamp8hz_noise
pc01-11a014.rmsamp_noise
SHOT
NAVSHOT
1151 1301 1451 1601 1751 1901 2051 2201 2351 2501 2651 2801 2951
0.00 0.02 0.04 0.06 0.08 0.10 0.12 0.14 0.16 0.18 0.20 0.22
Time (sec)
BEST OBTAINABLE COPY


Shots along Line 0011a014
SHOT
1001
1201
1401
1601
1801
2001
2201
2401
2601
2801
0.00
1.00
2.00
3.00
4.00
5.00
6.00
7.00
8.00
9.00
0.0
1.0
2.0
3.0
4.0
5.0
6.0
7.0
8.0
9.0
BEST OBTAINABLE COPY