

**LINE NAME:**

**PCP-FAS-PC01008**

**REF:**

**104735**

**OBSERVERS**

## OBSERVERS LOG

LINE	0008R024
------	----------

: R/V Geo Arctic : PanCanadian Petr. Lmt.(PCP) : Block # VIC/P48&VIC/P49 : 34867		: 13:09 15:23 : 1001 1784 : 1001 1783 : 27 27		Gun#4.2--250cu in Gun#2.1--250cu in	
: 0008R024 : 24 : 359.8 : 01.01.02					
Gun Pressure at SOL 1992 psi Array Volume SOL 3660 cu in		Pressure EOL 2027 psi Array Vol EOL 3160 cu in		SOL WIND : 7 m/s WIND DIRECTION : 300 deg SEA STATE : 3 st SEA DIRECTION : 280 deg CABLE DEPTH : 8 m AVER.NOISE : 7.1 uB(4Hz) AVER.NOISE : 3.2 uB(8Hz) DEPTH : 2092 m	
Offset Shots: Gun 2-5 149 m		Gun 3-6 146 m		EOL WIND : 11 m/s WIND DIRECTION : 280 deg SEA STATE : 6 SEA DIRECTION : 270 deg AVER.NOISE : 2.5 uB(8Hz) AVER.NOISE : 7.1 uB(4Hz) DEPTH : 2562 m	
SP#1414,1426,1438 G#4.2 time err. >2.0ms SP#1442: G#4.2 OFF.firing volume 3410cu in,dropout 6.8% SP#1580 missed SP#1810: G#2.1 OFF. FIRING VOLUME 3160CU IN,DROPOUT>10% Line aborted due to guns. LGSP#1784					
Safonov Victor Bekezin Andrey (00:00-12:00)		Shendrik Vladimir Usov Vladimir (12:00-24:00)		SOURCE DEPTH : 6 m	

0008R024							
GMT	TAPE	DRIVE	FILE	SHOT	Water depth(m)	F/A (deg)	COMMENTS
	27	02	91				WB Gun#2-5
			92				WB Gun#3-5
			93				Noise
			995	995			SOL FSP
13:09	27	02	1001	1001	2092	-4.4	FCSP
13:16			1040	1040	2090	-7.6	
13:23			1080	1080	2139	-8.6	
13:30			1120	1120	2026	-9.7	
13:37			1160	1160	2099	-10.1	
13:44			1200	1200	2147	-10.3	
13:50			1240	1240	2192	-11.0	
13:57			1280	1280	2225	-12.1	SP#1305,1310,1323,1333 G#2.2 not found
14:04			1320	1320	2239	-12.5	From SP#1305 G#2.2: many "not found" alarms -
14:11			1360	1360	2250	-13.5	gun believed to working correctly.
14:25			1440	1440	2337	-15.2	SP#1337,1539 G#4.4 not found
14:32			1480	1480	2364	-15.3	Gun#4.2 time error:
14:39			1520	1520	2410	-15.8	SP# 1414 1420 1421 1422 1426 1429 1430 1431 1435 1438 1441
14:46			1560	1560	2461	-16.1	terr.ms 2.0 1.13 1.13 1.75 2.25 1.63 1.38 1.75 1.38 2.5 1.38
14:52			1599	1600	2482	-16.2	SP#1580 missed
14:52			1639	1640	2477	-15.4	SP#1442: G#4.2 OFF.firing volume 3410cu in,dropout 6.8%
15:04			1663	1664			LCSP.
15:06			1679	1680	2487	-14.9	SP#1561 G#4.4 not found
15:13			1719	1720	2523	-15.5	
15:20			1759	1760	2519	-15.3	SP#1641 G#2.2 time err.1.13ms
							G#2.1 time errors
							SP 1771 1785 1788 1789 1792 1799 1800 1803 1804 1805 1807 1808
							t.er. 1.38 1.38 2.88 1.38 1.38 2.13 1.38 1.25 2.1 1.13 1.5 2.38
15:23			1783	1784			SP#1810: G#2.1 OFF. FIRING VOLUME 3160CU IN,DROPOUT>1
15:30			1816	1817	2562	-15.1	LGSP.
			1817				EOL.Line aborted d/t gun problem
			1818				dummy
							noise

# I/O MSX SYSTEM OBSERVER LOG

Tue Jan 1 09:38:10 2002

## LINE INFORMATION

<i>Client</i>	PanCanadien Pet.Lim.
<i>Prospect</i>	2001 MIDAS 2D SURVEY
<i>Line Name</i>	0008R024
<i>Crew/Party</i>	
<i>Operators</i>	AMIGE
<i>Weather</i>	As Obs. Log
<i>Seas</i>	As Obs. Log
<i>Heading</i>	359.8deg
<i>Vessel</i>	R/V Geo Arctic
<i>Job Name</i>	34867

10 MSX SYSTEM OBSERVER LOG

CLIENT: PanCanadian Pet.Lim.

PROSPECT: 2001 MIDAS 2D SURVEY

SHOT	FILE	REEL	TU	FSID	DATE & TIME	EXCEPTION	COMMENT
0	91	27	02	0000 00000	Jan 01, 2002 - 12:53:42	UHTO; NF#; DSP; NFSID; BOR;	WB G#2.5
0	92	27	02	0000 00000	Jan 01, 2002 - 12:54:48	UHTO; DSP; NFSID;	WB G#3.6
0	93	27	02	0000 00000	Jan 01, 2002 - 13:02:16	UHTO; DSP; NFSID; ITB;	noise
995	995	27	02	2001 29193	Jan 01, 2002 - 13:08:28	BOL; NF#; NSP; NFSID;	FdSP
1001	1001	27	02	2001 29199	Jan 01, 2002 - 13:09:32		FCSP
1427	1427	27	02	2001 29625	Jan 01, 2002 - 14:23:14		LGSP
1581	1580	27	02	2001 29779	Jan 01, 2002 - 14:49:40	NSP; NFSID;	SP#1580 missed
1817	1816	27	02	2001 30015	Jan 01, 2002 - 15:30:32	EOL;	Line adorted
0	1817	27	02	0000 00000	Jan 01, 2002 - 15:30:50	UHTO; NSP; NFSID;	
0	1818	27	02	0000 00000	Jan 01, 2002 - 15:31:36	UHTO; DSP; 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	Playback 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

Tue Jan 1 09:38:15 2002

### LINE INFORMATION

<i>Client</i>	PanCanadien Pet.Lim.
<i>Prospect</i>	2001 MIDAS 2D SURVEY
<i>Line Name</i>	0008R024
<i>Crew/Party</i>	
<i>Operators</i>	AMIGE
<i>Weather</i>	As Obs. Log
<i>Seas</i>	As Obs. Log
<i>Heading</i>	359.8deg
<i>Vessel</i>	R/V Geo Arctic
<i>Job Name</i>	34867



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

**I/O MSX SYSTEM REEL LOG**

**Tue Jan 1 09:38:15 2002**

REEL NUMBER	TAPE UNIT	FILE COUNT	FIRST FILE LAST FILE	FIRST SP LAST SP	FIRST FSID LAST FSID	START DATE & TIME END DATE & TIME
27	02	827	91	0	0000 00000	Jan 01, 2002 - 12:53:42
			1818	0	0000 00000	Jan 01, 2002 - 15:31:36

# PC01-0008r024

Reel # 27 Date 01.01.02 Seq # 24

FSP 995 LSP 1817 FFFID 995 LFFID 1816  
FGSP 1001 LGSP 1817 FGFFID 1001 LGFFID 1816

## Water Break - Channel Set 2

SOL SP: 1001 Offset: 152 ms 149 m  
EOL SP: 1817 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	Good	16	Good
9	Good	17	Good
10	Good	18	Good

## Bad/Noisy channels:

## Bad Shots:

## Lost Shots:

1580

## Environmental Noise

Bird / retriever noise

(Amplitude Plots / NearTrace Plot)

## RMS Noise Analysis

Average noise per line

(Time Gate 2000-2500 ms)

LCF 2 Hz LCF 8 Hz

(in RMS time gate)

7.63 4.25

## 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:

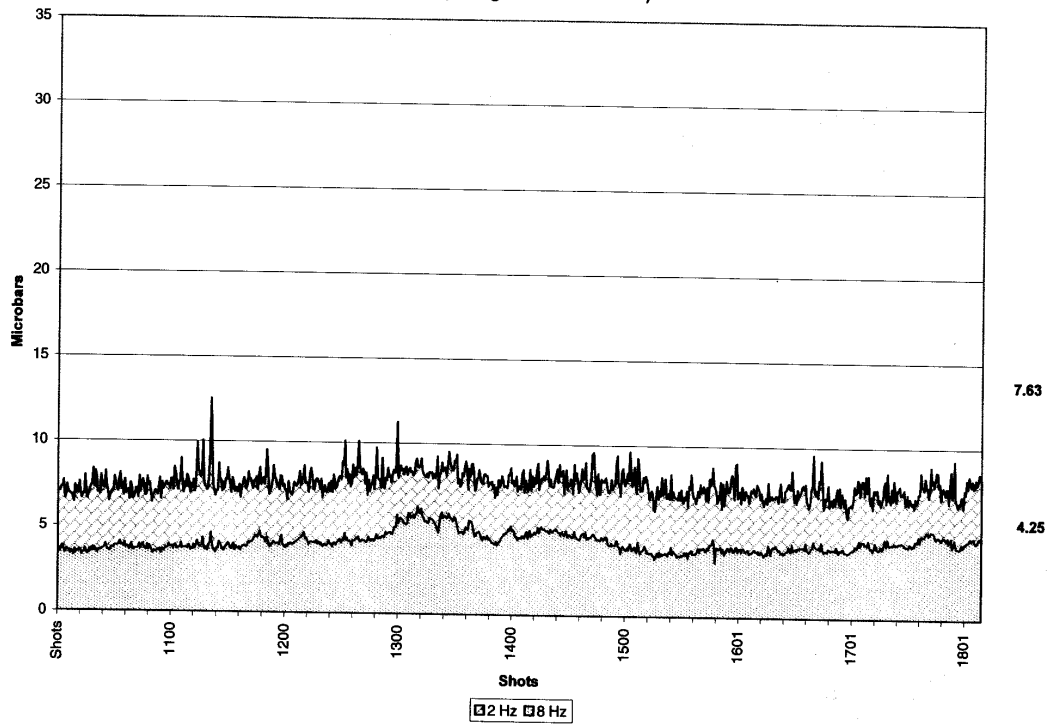
OK

## Velocity Comments:

## Additional Comments:

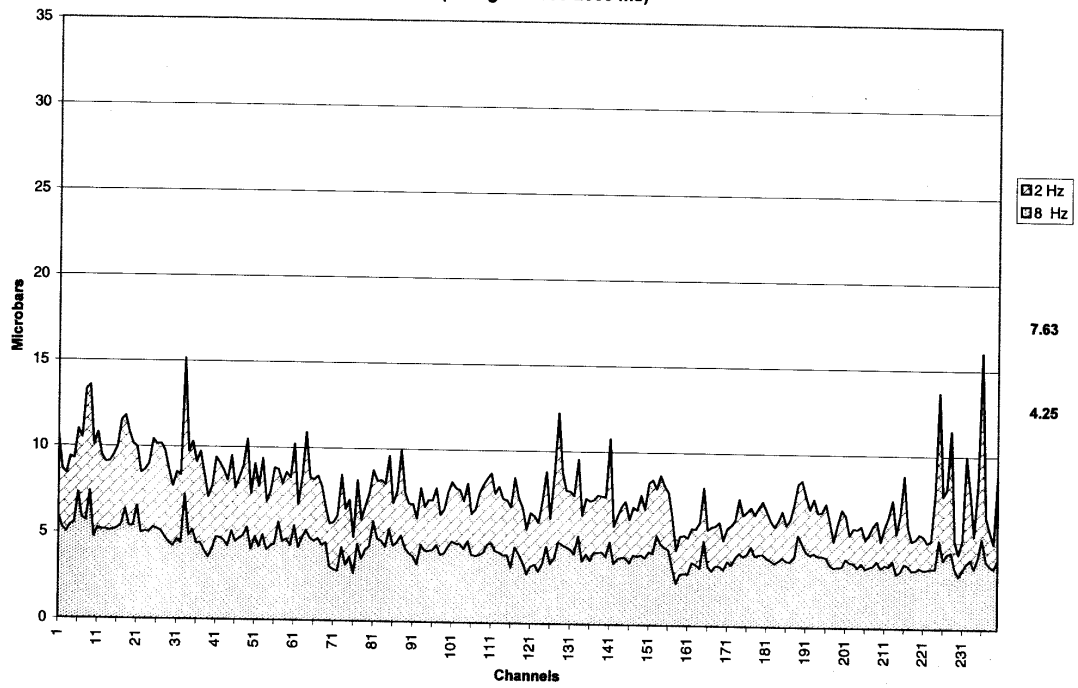
Multiples in analysis window increase noise level.

Line PC01-0008r024 Residual Shot Noise  
(time gate 2000-2500 ms)

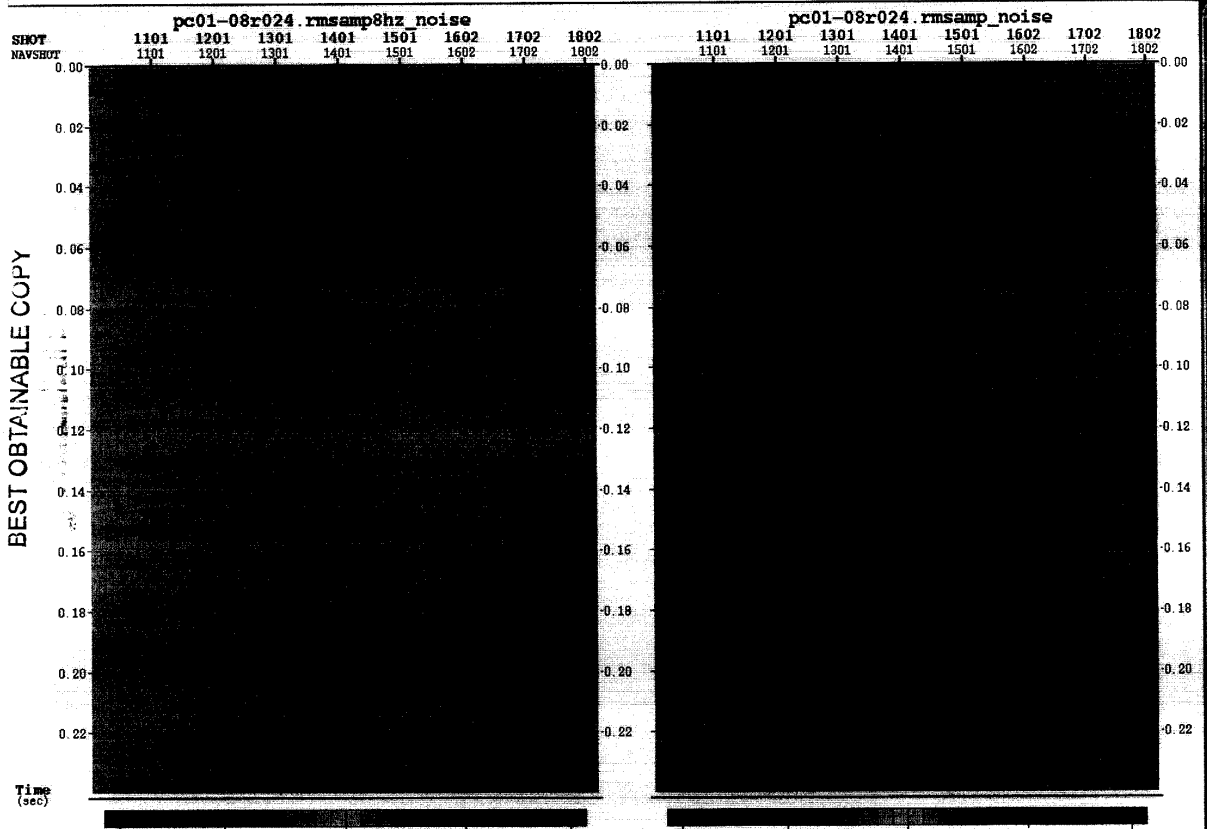


Shot RMS PC01-0008r024

Line PC01-0008r024 Residual Channel Noise  
(time gate 2000-2500 ms)



Chan\_RMS\_PC01-08r024.xls



Shots along line 0008r024

