

**LINE NAME:**

**PCP-FAS-PC01013**

**REF:**

**104726**

**OBSERVERS**

## OBSERVERS LOG

LINE	0013A015
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: R/V Geo Arctic : PanCanadian Petr. Lmt.(PCP) : Block # VIC/P48&VIC/P49 : 34867		: 09:17 14:54 : 1001 2918 : 1001 2915 : 17 17		G#3.5(40 cu in)	
: 0013A015 : 15 : 0.8 : 29.12.01					
Gun Pressure at SOL 2051 psi Array Volume SOL 3660 cu in		Pressure EOL 1992 psi Array Vol EOL 3660 cu in		SOL WIND : 10 m/s WIND DIRECTION : 40 deg SEA STATE : swell 0.5 m SEA DIRECTION : 260 deg CABLE DEPTH : 8 m AVER.NOISE : 6.3 uB(4Hz) AVER.NOISE : 3.1 uB(8Hz) DEPTH : 2281 m EOL WIND : 18 m/s WIND DIRECTION : 240 deg SEA STATE : 5 SEA DIRECTION : 270 deg AVER.NOISE : 3.2 uB(8Hz) AVER.NOISE : 7.5 uB(4Hz) DEPTH : 2446 m	
Offset Shots: Gun 2-5 149 m Gun 3-6 149 m				SOURCE DEPTH : 6 m	
SP#2414,2510,2512- missed SP#2767-2773:firing volume 3690cu in(fault changing of inactive gun)					
Safonov Victor Bekezin Andrey (00:00-12:00)		Shendrik Vladimir Usov Vladimir (12:00-24:00)			

0013A015						
GMT	TAPE	DRIVE	FILE	SHOT	Water depth(m)	F/A (deg)
	17	02	91			WB Gun#2-5
			92			WB Gun#3-5
			93			Noise
09:16			995	995		SOL FSP
09:17	17	02	1001	1001	2281	-11.0
09:24			1040	1040	2373	-10.2
09:32			1080	1080	2328	-10.7
09:39			1120	1120	2339	-10.7
09:46			1160	1160	2360	-10.8
09:53			1200	1200	2372	-10.8
10:00			1240	1240	2409	-11.1
10:07			1280	1280	2412	-11.1
10:14			1320	1320	2416	-10.7
10:21			1360	1360	2420	-10.2
10:29			1400	1400	2446	-9.6
10:36			1440	1440	2476	-9.2
10:42			1480	1480	2511	-8.8
10:50			1520	1520	2658	-8.2
10:57			1560	1560	2685	-7.6
11:04			1600	1600	2697	-7.1
11:11			1640	1640	2673	-6.1
11:18			1680	1680	2673	-5.4
11:25			1720	1720	2712	-4.3
11:32			1760	1760	2744	-3.4
11:38			1800	1800	2781	-2.3
11:45			1840	1840	2810	-1.2
11:52			1880	1880	2832	-0.1
11:59			1920	1920	2839	0.8
12:06			1960	1960	2832	1.8
12:13			2000	2000	2998	2.4
12:20			2040	2040	2940	3.6
12:27			2080	2080	2938	4.3
12:34			2120	2120	3010	5.8
12:42			2160	2160	3002	6.9
12:53			2200	2200	2990	7.5
12:56			2240	2240	2984	7.5
13:04			2280	2280	2977	7.4
13:11			2320	2320	3132	7.7
13:18			2360	2360	2920	7.5
13:24			2400	2400	2905	7.5
13:31			2439	2440	2849	8.0
13:38			2479	2480	2884	8.2
13:45			2517	2520	2804	8.2
13:52			2557	2560	2778	7.9
13:59			2597	2600	2757	8.1
14:06			2637	2640	2707	8.3
14:13			2677	2680	2642	8.5
14:20			2717	2720	2616	8.0
14:27			2757	2760	2685	7.9
						SP#2277 G#4.2 time err. 1.13 ms
						SP#2414 missed
						SP#2423 G#1.3 not found
						SP#2510,2512 missed
						SP#2587,2640,2672,2673,2698 G#1.3 not found
						SP#2764-2767 ,G#3.5 not found(air leak)
						SP#2767: G#3.5(40cu in) OFF;G#3.7(70cu in) ON(fault switching
						SP#2774 G3.7 OFF; G#2.7(40cu in) ON.Firing volume 3660cu in
						SP#2788,2816,2851 G#1.3 not found
14:33			2795	2798	2551	7.9
14:40			2837	2840	2478	7.7
14:47			2877	2880	2470	7.9
14:54			2915	2918	2446	8.4
						LCSP
						EOL LSP

mv Geo Arctic

0013A015							
GMT	TAPE	DRIVE	FILE	SHOT	Water depth(m)	F/A (deg)	COMMENTS
			2918	2921			LdSP
			2919				Noise.

29 12 2001 15:21

# I/O MSX SYSTEM OBSERVER LOG

Sat Dec 29 08:58:59 2001

## LINE INFORMATION

<i>Client</i>	PanCanadian Pet.Lim.
<i>Prospect</i>	2001 MIDAS 2D SURVEY
<i>Line Name</i>	0013A015
<i>Crew/Party</i>	
<i>Operators</i>	AMIGE
<i>Weather</i>	As Obs. Log
<i>Seas</i>	As Obs. Log
<i>Heading</i>	0.8 deg
<i>Vessel</i>	R/V Geo Arctic
<i>Job Name</i>	34867

## I/O MSX SYSTEM OBSERVER LOG

CLIENT: PanCanadian Pet.Lim.

PROSPECT: 2001 MIDAS 2D SURVEY

SHOT	FILE	REEL	TU	FSID	DATE & TIME	EXCEPTION	COMMENT
0	91	17	02	0000 00000	Dec 29, 2001 - 09:01:56	UHTO; NF#; DSP; NFSID; BOR;	WB Gun#2.5
0	92	17	02	0000 00000	Dec 29, 2001 - 09:03:04	UHTO; DSP; NFSID;	WB Gun#3.6
0	93	17	02	0000 00000	Dec 29, 2001 - 09:05:28	UHTO; DSP; NFSID; ITB;	Noise
995	995	17	02	1363 17412	Dec 29, 2001 - 09:16:32	BOL; NF#; NSP; NFSID;	FSP
1001	1001	17	02	1363 17418	Dec 29, 2001 - 09:17:38		FCSP
2415	2414	17	02	1363 18832	Dec 29, 2001 - 13:27:24	NSP; NFSID;	SP#2414 missed
2511	2509	17	02	1363 18928	Dec 29, 2001 - 13:43:58	NSP; NFSID;	SP#2510 missed
2513	2510	17	02	1363 18930	Dec 29, 2001 - 13:44:18	NSP; NFSID;	SP#2512 missed
2918	2915	17	02	1363 19335	Dec 29, 2001 - 14:54:12		LSP
2921	2918	17	02	1363 19338	Dec 29, 2001 - 14:54:44	EOL;	LdSP
0	2919	17	02	0000 00000	Dec 29, 2001 - 14:55:16	UHTO; NSP; NFSID; ITB;	noise

## EXCEPTION ABBREVIATION LIST

<i>MNEMONIC</i>	<i>DESCRIPTION</i>
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

Sat Dec 29 08:59:08 2001

## LINE INFORMATION

<i>Client</i>	PanCanadien Pet.Lim.
<i>Prospect</i>	2001 MIDAS 2D SURVEY
<i>Line Name</i>	0013A015
<i>Crew/Party</i>	
<i>Operators</i>	AMIGE
<i>Weather</i>	As Obs. Log
<i>Seas</i>	As Obs. Log
<i>Heading</i>	0.8 deg
<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**

**Sat Dec 29 08:59:08 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
17	02	1928	91 2919	0 0	0000 00000 0000 00000	Dec 29, 2001 - 09:01:56 Dec 29, 2001 - 14:55:16

# PC01-0013a015

Reel # 17

Date 29.12.01

Seq # 15

FSP 995 LSP  
FGSP 1001 LGSP

2921 FFFID 995 LFFID 2918  
2918 FGFFID 1001 LGFFID 2915

## Water Break - Channel Set 2

SOL SP: 1001

EOL SP: 2918

Offset: 152 ms

Offset: 152 ms

149 m

149 m

## NearPhones - Channel Sets 3-18

Aux Chan Comment

3 Good

4 Good

5 Good

6 Good

7 Good

8 Good

9 Good

10 Good

Aux Chan Comment

11 Good

12 Good

13 Good

14 Good

15 Good

16 Good

17 Good

18 Good

## Bad/Noisy channels:

### Bad Shots:

### Lost Shots:

2414, 2510, 2512

## Environmental Noise

Bird / retriever noise

(Amplitude Plots / NearTrace Plot)

## RMS Noise Analysis

Average noise per line

(in RMS time gate)

(Time Gate 2500-3000 ms)

LCF 2 Hz LCF 8 Hz

9.72 5.61

## 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:	7	2.9	11.9

## Brute Stack:

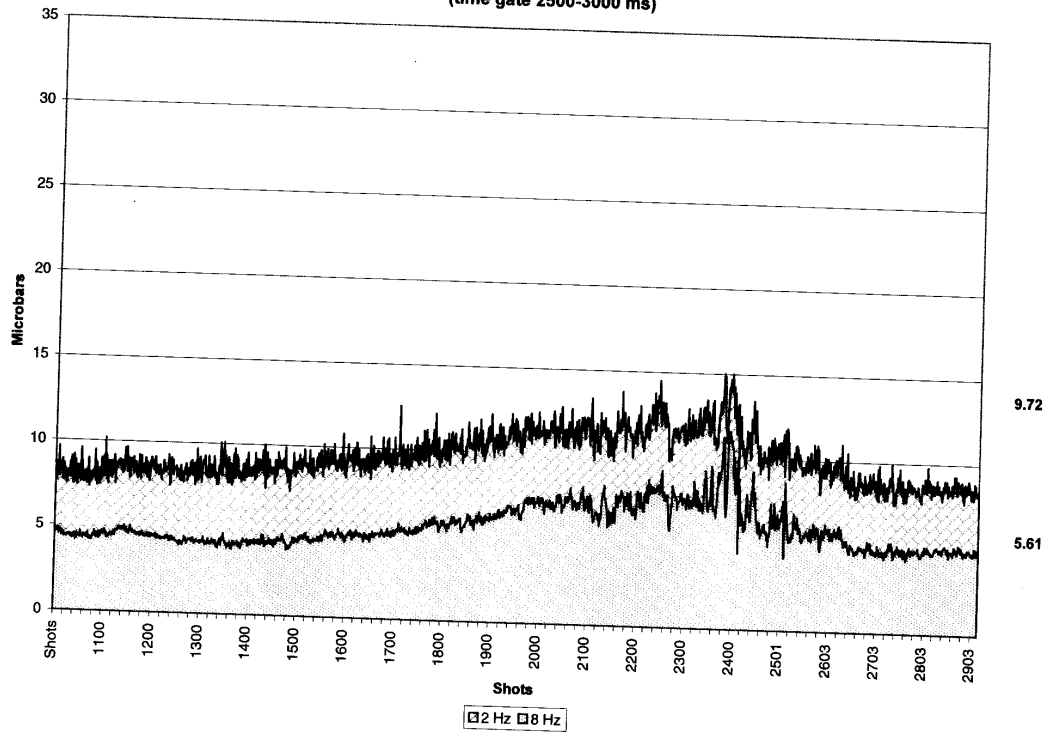
OK

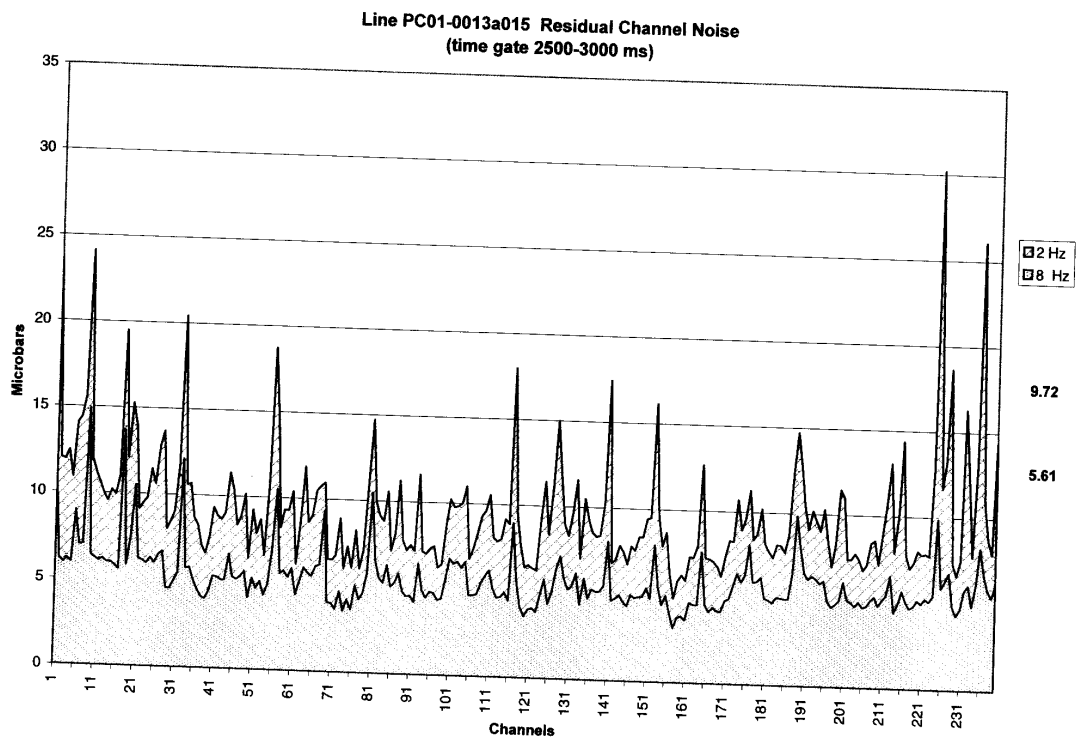
## Velocity Comments:

## Additional Comments:

Multiples in analysis window increase noise level.

Line PC01-0013a015 Residual Shot Noise  
(time gate 2500-3000 ms)





Chan\_RMS\_PC01-13a015.xls

