

D31

**PCP-FAS-05R031**

**REF # 104742**

**OBSERVERS**

## OBSERVERS LOG

LINE

0005R031

: R/V Geo Arctic : PanCanadian Petr. Lmt.(PCP) : Block # VIC/P48&VIC/P49 : 34867		: 08:27 11:17 : 1600 2573 : 1600 2573 : 34 34			
: 0005R031 : 31 : 56 : 05.01.02					
Gun Pressure at SOL 1992 psi Array Volume SOL 3660 cu in		Pressure EOL 1933 psi Array Vol EOL 3660 cu in			
Offset Shots: Gun 2-5 149 m		Gun 3-6 149 m			
Safonov Victor Bekezin Andrey (00:00-12:00)		Shendrik Vladimir Usov Vladimir (12:00-24:00)			
		SOL WIND : 3 m/s WIND DIRECTION : 230 deg SEA STATE : swell 0.8 m SEA DIRECTION : 250 deg CABLE DEPTH : 8 m AVER.NOISE : 5.1 uB(4Hz) AVER.NOISE : 2.8 uB(8Hz) DEPTH : 2370 m EOL WIND : calm m/s WIND DIRECTION : deg SEA STATE : swell 0-5 m AVER.NOISE : 4.6 uB(8Hz) AVER.NOISE : 7.3 uB(4Hz) DEPTH : 3281 m SOURCE DEPTH : 6 m			

## mv Geo Arctic

0005R031							COMMENTS
GMT	TAPE	DRIVE	FILE	SHOT	Water depth(m)	F/A (deg)	
	34	01	91				WB Gun#2-5
			92				WB Gun#3-5
			93				Noise
08:26			1594	1594			SOL FSP
08:27	34	01	1600	1600	2370	-3.4	FCSP
08:34			1640	1640	2394	-3.1	
08:41			1680	1680	2406	-2.7	
08:48			1720	1720	2424	-2.9	
08:56			1760	1760	2449	-3.4	
09:03			1800	1800	2470	-4.0	
09:10			1840	1840	2496	-4.5	
09:18			1880	1880	2525	-4.3	
09:25			1920	1920	2556	-4.3	
09:32			1960	1960	2601	-4.2	
09:36			2000	2000	2678	-4.4	
09:46			2040	2040	2703	-4.6	
09:52			2080	2080	2750	-4.8	
10:00			2120	2120	2762	-5.1	
10:07			2160	2160	2838	-4.8	
10:14			2200	2200	2878	-4.7	
10:20			2240	2240	2918	-4.5	
10:27			2280	2280	2986	-4.7	
10:34			2320	2320	3078	-4.8	
10:41			2360	2360	3079	-4.8	
10:48			2400	2400	3208	-4.7	
10:56			2453	2453	3254	-4.1	LCSP
11:01			2480	2480	3264	-3.7	
11:08			2520	2520	3267	-3.0	
11:17			2573	2573	3281	-1.7	EOL LSP
11:18			2576	2576			LdSP
	34	01	2577				Noise.

## I/O MSX SYSTEM OBSERVER LOG

Sat Jan 5 05:22:28 2002

### LINE INFORMATION

<i>Client</i>	PanCanadien Pet.Lim.
<i>Prospect</i>	2001 MIDAS 2D SURVEY
<i>Line Name</i>	0005R031
<i>Crew/Party</i>	
<i>Operators</i>	AMIGE
<i>Weather</i>	As Obs. Log
<i>Seas</i>	As Obs. Log
<i>Heading</i>	56 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	34	01	0000 00000	Jan 05, 2002 - 08:13:46	UHTO; NF#; DSP; NFSID; BOR;	WB Gun#2.5
0	92	34	01	0000 00000	Jan 05, 2002 - 08:14:46	UHTO; DSP; NFSID;	WB Gun#3.6
0	93	34	01	0000 00000	Jan 05, 2002 - 08:17:48	UHTO; DSP; NFSID; ITB;	Noise
1594	1594	34	01	2005 35009	Jan 05, 2002 - 08:26:28	BOL; NF#; NSP; NFSID;	FSP
1600	1600	34	01	2005 35015	Jan 05, 2002 - 08:27:34		FCSP
2453	2453	34	01	2005 35868	Jan 05, 2002 - 10:56:40		LCSP
2573	2573	34	01	2005 35988	Jan 05, 2002 - 11:17:34		LSP
2576	2576	34	01	2005 35991	Jan 05, 2002 - 11:18:04		LdSP
0	2577	34	01	0000 00000	Jan 05, 2002 - 11:18:36	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	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 Jan 5 05:22:39 2002

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<i>Line Name</i>	0005R031
<i>Crew/Party</i>	
<i>Operators</i>	AMIGE
<i>Weather</i>	As Obs. Log
<i>Seas</i>	As Obs. Log
<i>Heading</i>	56 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 Jan 5 05:22:39 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
34	01	987	91	0	0000 00000	Jan 05, 2002 - 08:13:46
			2577	0	0000 00000	Jan 05, 2002 - 11:18:36

# PC01-0005r031

Reel # 34 Date 05.01.02 Seq # 31

FSP 1594 LSP 2576 FFFID 1594 LFFID 2576  
FGSP 1600 LGSP 2573 FGFFID 1800 LGFFID 2573

## Water Break - Channel Set 2

SOL SP: 1600 Offset: 152 ms 149 m  
EOL SP: 2573 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	Some spikes on data
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 1000-1500 ms)

LCF 2 Hz LCF 8 Hz

9 5.62

## 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:	8	3.3	11.5

## Brute Stack:

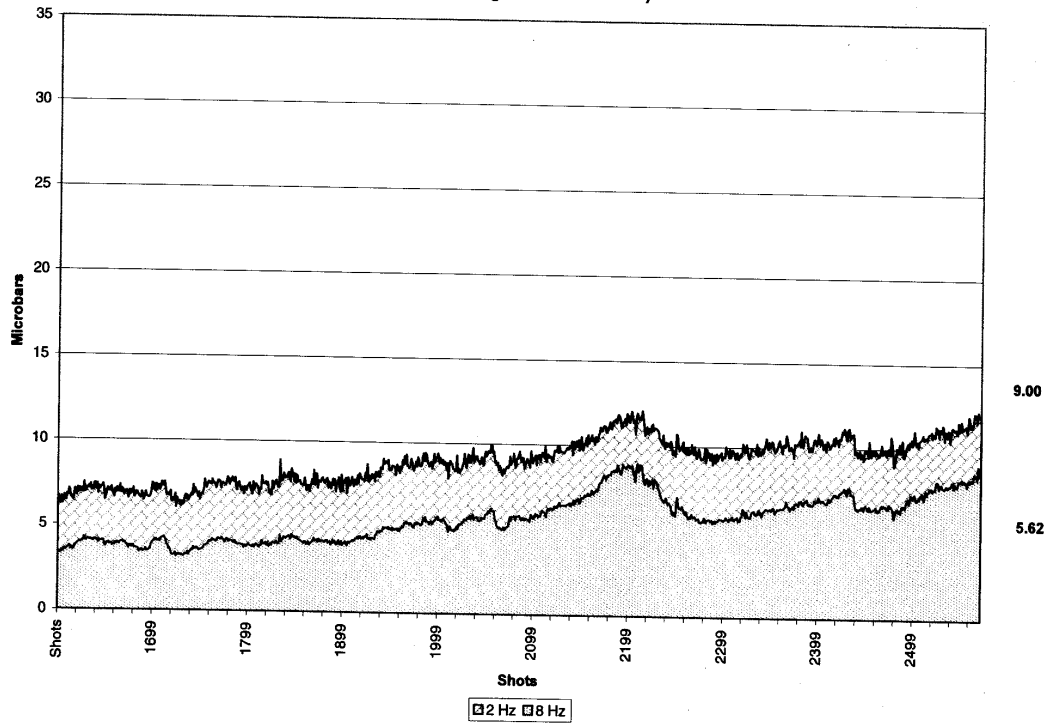
OK

## Velocity Comments:

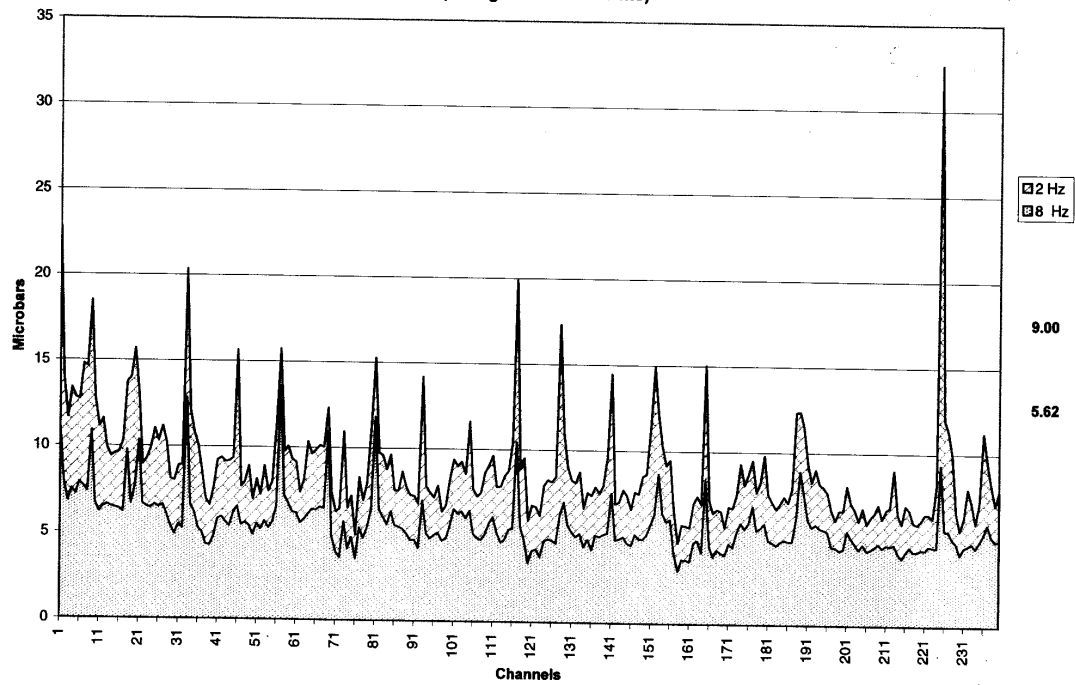
## Additional Comments:

Multiples in analysis window increase noise level.

Line PC01-0005r031 Residual Shot Noise  
(time gate 1000-1500 ms)



Line PC01-0005r031 Residual Channel Noise  
(time gate 1000-1500 ms)



Chan RMS PC01-05r031 v1e

