

020

PCP-FAS-08A020
REF # 104731

OBSERVERS

OBSERVERS LOG

LINE	0008A020
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: R/V Geo Arctic : PanCanadian Petr. Lmt.(PCP) : Block # VIC/P48&VIC/P49 : 34867		: 22:41 02:08 : 1001 2179 : 1001 2178 : 23 23		G#1.6(100cu in) G#4.2(250cu in) G#4.3(150cu in) G#1.8(40cu in)	
: 0008A020 : 20 : 359.8 : 30.12.01					
Gun Pressure at SOL 2027 psi Array Volume SOL 3660 cu in		Pressure EOL 2027 psi Array Vol EOL 3260 cu in		SOL WIND : 2 m/s WIND DIRECTION : 325 deg SWELL : 0.8 m SWELL DIRECTION : 230 deg CABLE DEPTH : 8 m AVER.NOISE : 5.7 uB(4Hz) AVER.NOISE : 2.5 uB(8Hz) DEPTH : 2092 m	
Offset Shots: Gun 2-5 149 m Gun 3-6 146 m				EOL WIND : calm m/s WIND DIRECTION : deg SWELL : m SWELL DIRECTION : deg AVER.NOISE : 1.6 uB(8Hz) AVER.NOISE : 4.4 uB(4Hz) DEPTH : 2616 m	
SP#1000 G#1.6 OFF, G#2.5 ON.Firing volume 3660cu in. From SP#1022 toSP#1669 feathering angle >15 deg SP#1084 G#2.2 OFF;firing volume 3410cu in,dropout 6.8% Missed SP :1416 SP#1805: telemetry errors. From SP#2120 total volume 3260cu in, dropout 10.9% <div style="text-align: center;">NTBP</div>					
Safonov Victor Bekezin Andrey (00:00-12:00)		Shendrik Vladimir Usov Vladimir (12:00-24:00)		SOURCE DEPTH 6 m	

mv Geo Arctic

0008A020							COMMENTS
GMT	TAPE	DRIVE	FILE	SHOT	Water depth(m)	F/A (deg)	
	23	00	91				WB Gun#2-5
			92				WB Gun#3-5
			93				Noise
			995	995			SOL FSP
22:41	23	00	1001	1001	2092	-14.2	SP#1000 G#1.6 OFF, G#2.5 ON.Firing volume 3660cu in.
							FCSP
22:47			1040	1040	2090	-15.6	from SP#1022 feathering angle >15 deg
22:55			1080	1080	2140	-16.8	SP#1004,1008,1009,1031,1038 Gun#2.2 "not found"(sensor problem)
23:01			1120	1120	2096	-17.8	SP#1046,1052,1054,1056,1057,1065,1072,1080 Gun#2.2 "not found"
23:08			1160	1160	2099	-19.4	SP#1084 Gun#2.2 "not found"
23:15			1200	1200	2149	-20.5	SP#1084 G#2.2 OFF;firing volume 3410cu in,dropout 6.8%
23:22			1240	1240	2193	-21.3	
23:30			1280	1280	2224	-22.2	
23:37			1320	1320	2239	-22.5	
23:44			1360	1360	2254	-22.7	
23:51			1400	1400	2301	-21.9	
23:58			1439	1440	2340	-18.6	SP#1416 missed
00:05			1448	1449			Last SP of day
00:12			1479	1480	2366	-15.8	SP#1501-1504 G#4.2 not found. SP#1504 G#4.2-"OFF",G#2.2-"ON"
00:19			1519	1520	2411	-16.1	G#2.2: many "not found" alarms - gun belived to working correctly.
00:26			1559	1560	2461	-16.1	
00:33			1599	1600	2488	-16.8	
00:40			1639	1640	2478	-16.6	
00:47			1679	1680	2484	-14.8	SP#1679 G#2.2 time err. 1.13ms
00:54			1719	1720	2525	-14.1	
01:01			1759	1760	2518	-12.2	
01:07			1799	1800	2564	-11.6	SP#1805: telemetry errors.
01:14			1839	1840	2584	-10.2	
01:21			1879	1880	2579	-10.3	SP#1892,1918,1920,1921: G#4.3 time error(1.13-1.38ms).
01:29			1919	1920	2520	-9.5	SP#1938:G#2.2 time error(1.25ms).
01:36			1959	1960	2503	-8.7	SP#2020,21,29,43,45,48,67,71,77,86 time error 1.1-1.5 ms
01:43			1999	2000	2489	-8.0	SP#2110,2119: G4.3 - time error 1.25 ms.
01:50			2039	2040	2502	-7.2	
01:58			2079	2080	2478	-5.9	SP#2119: G4.3 - "off". Total volume 3260 cu in.
02:05			2119	2120	2513	-4.5	
02:08			2159	2160	2589	-3.0	SP#2156: G#2.2 time error 1.25ms
			2178	2179	2616	-2.7	EOL.LSP. Line aborted due to cable problem.
23	00	2179					Noise

31 12 2001 03:40

OBSERVERS LOG

LINE	0008A020
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VESSEL : R/V Geo Arctic CLIENT : PanCanadian Petr. Lmt.(PCP) AREA : Block # VIC/P48&VIC/P49 PROJECT : 34867		<table border="1"> <tr> <th></th> <th>SOL</th> <th>EOL</th> </tr> <tr> <td>TIME</td> <td>22:41</td> <td>02:08</td> </tr> <tr> <td>SP</td> <td>1001</td> <td>2179</td> </tr> <tr> <td>FFID</td> <td>1001</td> <td>2178</td> </tr> <tr> <td>REEL</td> <td>23</td> <td>23</td> </tr> </table>			SOL	EOL	TIME	22:41	02:08	SP	1001	2179	FFID	1001	2178	REEL	23	23	BAD GUNS G#1.6(100cu in) G#4.2(250cu in) G#4.3(150cu in) G#1.8(40cu in)																						
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I/O MSX SYSTEM OBSERVER LOG

Sun Dec 30 20:20:10 2001

LINE INFORMATION

<i>Client</i>	PanCanadien Pet.Lim.
<i>Prospect</i>	2001 MIDAS 2D SURVEY
<i>Line Name</i>	0008A020
<i>Crew/Party</i>	
<i>Operators</i>	AMIGE
<i>Weather</i>	As Obs. Log
<i>Seas</i>	As Obs. Log
<i>Heading</i>	359.8 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	23	00	0000 00000	Dec 30, 2001 - 22:23:58	UHTO; NF#; DSP; NFSID;	WB G#2.5
0	92	23	00	0000 00000	Dec 30, 2001 - 22:24:52	UHTO; DSP; NFSID;	WB G#3.6
0	93	23	00	0000 00000	Dec 30, 2001 - 22:26:00	UHTO; DSP; NFSID; ITB;	noise
995	995	23	00	1364 22875	Dec 30, 2001 - 22:39:58	BOL; NF#; NSP; NFSID;	FdSP
1001	1001	23	00	1364 22881	Dec 30, 2001 - 22:41:00		FCSP
1417	1416	23	00	1364 23297	Dec 30, 2001 - 23:54:04	NSP; NFSID;	SP#1416 missed
1451	1450	23	00	1365 23331	Dec 30, 2001 - 23:59:58	NFSID;	First SP of day
1805	1804	23	00	1365 23685	Dec 31, 2001 - 01:01:56	TEI;	
2179	2178	23	00	1365 24059	Dec 31, 2001 - 02:08:14		EOL LSP
0	2179	23	00	0000 00000	Dec 31, 2001 - 02:09:42	EOL; UHTO; NSP; NFSID; ITB;	Noise
0	2180	24	01	0000 00000	Dec 31, 2001 - 02:17:32	UHTO; NF#; DSP; NFSID; BOR; ITB;	Dummy file

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

Sun Dec 30 20:20:30 2001

LINE INFORMATION

<i>Client</i>	PanCanadien Pet.Lim.
<i>Prospect</i>	2001 MIDAS 2D SURVEY
<i>Line Name</i>	0008A020
<i>Crew/Party</i>	
<i>Operators</i>	AMIGE
<i>Weather</i>	As Obs. Log
<i>Seas</i>	As Obs. Log
<i>Heading</i>	359.8 deg
<i>Vessel</i>	R/V Geo Arctic
<i>Job Name</i>	34867

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

I/O MSX SYSTEM REEL LOG

Sun Dec 30 20:20:30 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
23	00	1188	997	997	1364 22877	Dec 30, 2001 - 22:40:18
			2179	0	0000 00000	Dec 31, 2001 - 02:09:42
24	01	1	2180	0	0000 00000	Dec 31, 2001 - 02:17:32
			2180	0	0000 00000	Dec 31, 2001 - 02:17:32

PC01-0008a020

Reel # **23** Date **30.12.01** Seq # **20**

FSP **995** LSP **2179** FFFID **995** LFFID **2178**
 FGSP **1001** LGSP **2179** FGFFID **1001** LGFFID **2178**

Water Break - Channel Set 2

SOL SP: 1001 Offset: 152 ms 149 m
 EOL SP: 2179 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: 1805
Lost Shots: 1416

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) **7.76** **4.14**

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:	1	0.4	10.8

Brute Stack: **OK**

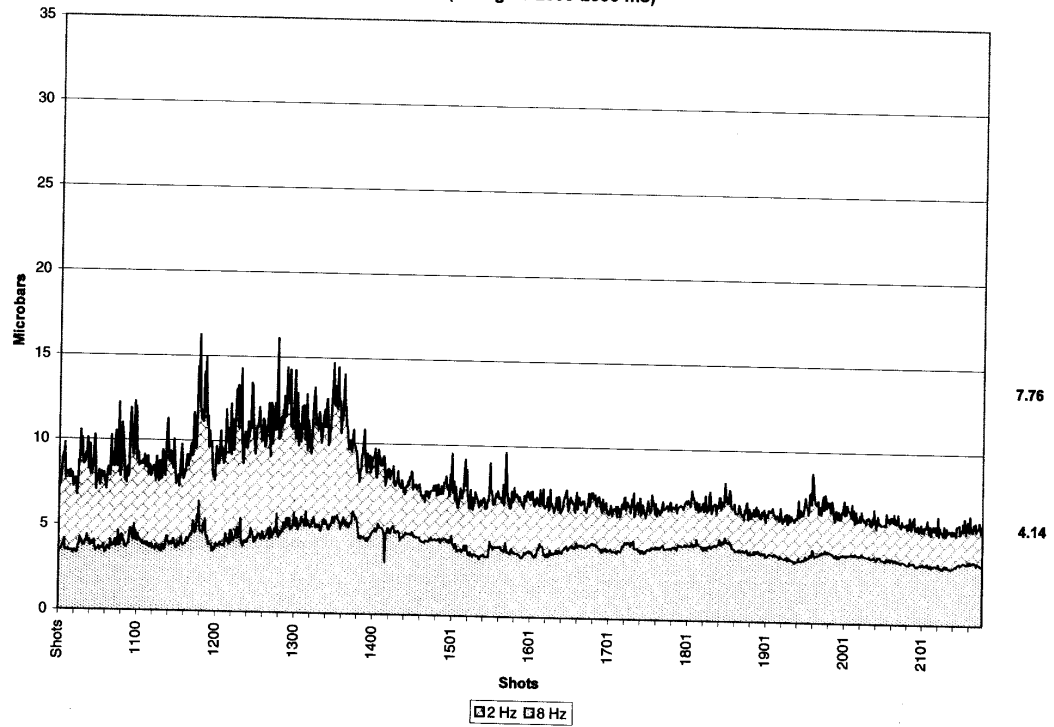
Velocity Comments:

Additional Comments:

Line aborted d/t cable problem.

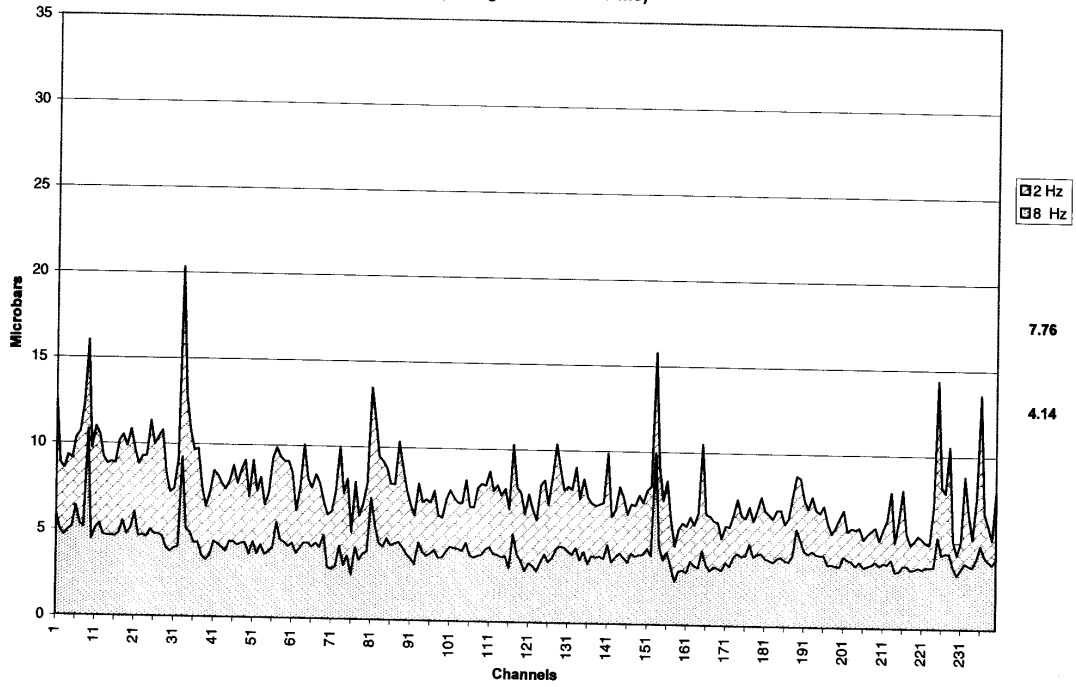
Multiples in analysis window increase noise level.

Line PC01-0008a020 Residual Shot Noise
(time gate 2000-2500 ms)

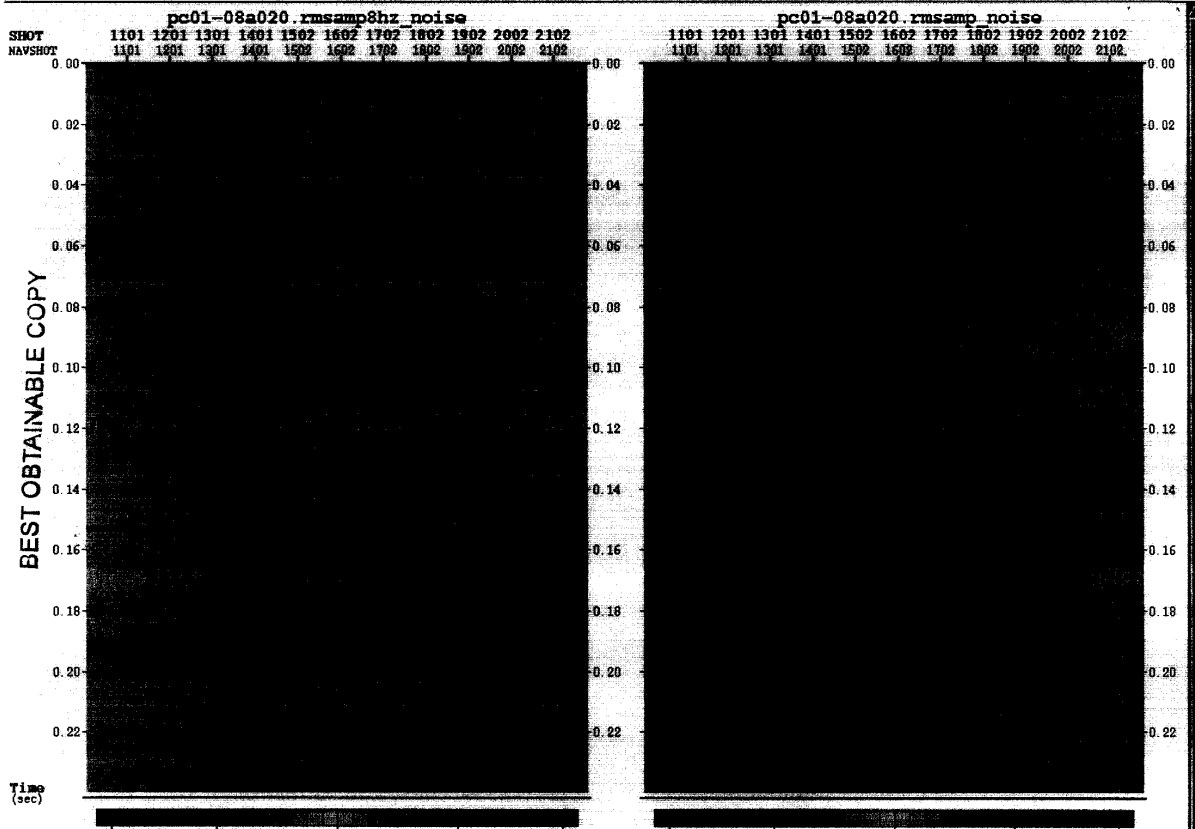


Shot 0100 PC01-0008a020

Line PC01-0008a020 Residual Channel Noise
(time gate 2000-2500 ms)



Chan_RMS PC01-08a020.xls



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