

LINE NAME:

PCP-FAS-PC01015

REF:

104720

OBSERVERS

m/v Geo Arctic

OBSERVERS LOG

LINE	0015A009
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R/V Geo Arctic PanCanadian Petr. Lmt.(PCP) Block # VIC/P48&VIC/P49 34867		13:35 15:56 1001 1787 1001 1783 11 11		
SEQ : 0015A009 DIR : 9 DATE : 179.6 DATE : 24.12.01				
Gun Pressure at SOL 1992 psi Array Volume SOL 3660 cu in		Pressure EOL 1992 psi Array Vol EOL 3660 cu in		
Offset Shots: Gun 2-5 147 m Gun 3-6 147 m				
Bad shots :1515,1526,1754 (Gun#4.2 time err>2 ms), 1544, 1609,1610 (Gun#1.4 time err.> 2ms), Missed SPs:1592,1594,1596 ,1765 From SP#1787 to xxxx feathering angle > 12 deg Line aborted d/t big (-12.8)feathering angle				
Safonov Victor Bekezin Andrey (00:00-12:00)		Shendrik Vladimir Usov Vladimir (12:00-24:00)		
SOL WIND : 13 m/s WIND DIRECTION : 25 deg SEA STATE : 5 SEA DIRECTION : 25 deg CABLE DEPTH : 8 m AVER.NOISE : 5.5 uB(4Hz) AVER.NOISE : 2.3 uB(8Hz) DEPTH : 2656 m				
EOL WIND : 17 m/s WIND DIRECTION : 250 deg SEA STATE : 5 SEA DIRECTION : 245 deg AVER.NOISE : 4.9 uB(8Hz) AVER.NOISE : 20.1 uB(4Hz) DEPTH : 3204 m				
SOURCE DEPTH : 6 m				

24 12 2001 16:15

mv Geo Arctic

0015A009

GMT	TAPE	DRIVE	FILE	SHOT	Water depth(m)	F/A (deg)	COMMENTS
	11	00	91				WB Gun#2-5
			92				WB Gun#3-6
			93				Noise
			995	995			SOL FSP
13:35	11	00	1001	1001	2656	1.4	FCSP
13:42			1040	1040	2719	1.5	
13:50			1080	1080	2760	0.8	
13:57			1120	1120	2782	0.1	
14:04			1160	1160	2808	-1.1	
14:11			1200	1200	2842	-1.9	
14:18			1240	1240	2852	-2.4	
14:26			1280	1280	2880	-2.6	
14:33			1320	1320	2916	-3.4	
14:40			1360	1360	2948	-4.3	
14:47			1400	1400	2965	-5.1	
14:55			1440	1440	2991	-6.2	
15:02			1480	1480	3018	-7.3	SP#1513,1515,1526 G#4.2 time err.: 1.38, 2.38, 2.25ms
15:09			1520	1520	3046	-8.1	SP#1544 G#1.4 time err.8.75ms
15:16			1560	1560	3063	-9.0	SP#1592,1594,1596 missed d/t vessel speed.
15:23			1597	1600	--	-9.7	SP#1608 G#1.4 not found,SP#1909,1610 time err. 2.0,2.25ms
15:31			1637	1640	3453	-10.8	
15:38			1677	1680	3972	-11.9	From SP#1690 to 1787 feathering angle > 12 deg
15:45			1717	1720			SP#1544 G#1.4 time err.8.75ms
15:52			1757	1760			SP#1748,1752,1754-1756 G#4.2 t.er.=1.63,1.13,2.13,1.13,1.38
							SP#1765 missed
15:56			1783	1787			EOL.Line aborted d/t big feathering angle
			1784				noise

24 12 2001 16:15

OBSERVERS LOG

LINE

0015A009

R/V Geo Arctic PanCanadian Petr. Lmt.(PCP) Block # VIC/P48&VIC/P49 34867		13:35 15:56 1001 1787 1001 1783 11 11		
0015A009 9 179.6 24.12.01				
Gun Pressure at SOL 1992 psi Array Volume SOL 3660 cu in		Pressure EOL 1992 psi Array Vol EOL 3660 cu in		
Offset Shots: Gun 2-5 147 m		Gun 3-6 147 m		
Bad shots :1515,1526,1754 (Gun#4.2 time err>2 ms), 1544, 1609,1610 (Gun#1.4 time err.> 2ms), Missed SPs:1592,1594,1596,1765 From SP#1787 to 1787 feathering angle > 12 deg Line aborted d/t big (-12.8)feathering angle LCSP#1624				
Safonov Victor Bekezin Andrey (00:00-12:00)		Shendrik Vladimir Usov Vladimir (12:00-24:00)		
		SOL WIND : 13 m/s WIND DIRECTION : 25 deg SEA STATE : 5 SEA DIRECTION : 25 deg CABLE DEPTH : 8 m AVER.NOISE : 5.5 uB(4Hz) AVER.NOISE : 2.3 uB(8Hz) DEPTH : 2656 m EOL WIND : 17 m/s WIND DIRECTION : 250 deg SEA STATE : 5 SEA DIRECTION : 245 deg AVER.NOISE : 4.9 uB(8Hz) AVER.NOISE : 20.1 uB(4Hz) DEPTH : 3204 m		
		SOURCE DEPTH : 6 m		

I/O MSX SYSTEM OBSERVER LOG

Mon Dec 24 10:08:06 2001

LINE INFORMATION

<i>Client</i>	PanCanadien Pet.Lim.
<i>Prospect</i>	2001 MIDAS 2D SURVEY
<i>Line Name</i>	0015A009
<i>Crew/Party</i>	
<i>Operators</i>	AMIGE
<i>Weather</i>	As Obs. Log
<i>Seas</i>	As Obs. Log
<i>Heading</i>	179.6 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	11	00	0000 00000	Dec 24, 2001 - 13:19:42	UHTO; NF#; DSP; NFSID;	
0	92	11	00	0000 00000	Dec 24, 2001 - 13:20:44	UHTO; DSP; NFSID;	
0	93	11	00	0000 00000	Dec 24, 2001 - 13:26:08	UHTO; DSP; NFSID; ITB;	
995	995	11	00	1358 09961	Dec 24, 2001 - 13:34:40	BOL; NF#; NSP; NFSID;	FdSP SOL
1001	1001	11	00	1358 09967	Dec 24, 2001 - 13:35:44		FSP
1593	1592	11	00	1358 10559	Dec 24, 2001 - 15:22:46	NSP; NFSID;	SP#1592 missed
1595	1593	11	00	1358 10561	Dec 24, 2001 - 15:23:04	NSP; NFSID;	SP#1594 missed
1597	1594	11	00	1358 10563	Dec 24, 2001 - 15:23:24	NSP; NFSID;	SP#1596 missed
1766	1762	11	00	1358 10732	Dec 24, 2001 - 15:53:12	NSP; NFSID;	SP#1 missed
1787	1783	11	00	1358 10753	Dec 24, 2001 - 15:56:56	EOL;	Line aborted(big feather angle)
0	1784	11	00	0000 00000	Dec 24, 2001 - 15:57:52	UHTO; NSP; NFSID;	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

Mon Dec 24 10:08:13 2001

LINE INFORMATION

<i>Client</i>	PanCanadien Pet.Lim.
<i>Prospect</i>	2001 MIDAS 2D SURVEY
<i>Line Name</i>	0015A009
<i>Crew/Party</i>	
<i>Operators</i>	AMIGE
<i>Weather</i>	As Obs. Log
<i>Seas</i>	As Obs. Log
<i>Heading</i>	179.6 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

Mon Dec 24 10:08:13 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
11	00	793	93 1784	0 0	0000 00000 0000 00000	Dec 24, 2001 - 13:26:08 Dec 24, 2001 - 15:57:52

PC01-0015a009

Reel # 11

Date 24.12.01

Seq # 9

FSP 995 LSP 1787 FFFID 995 LFFID 1783
FGSP 1001 LGSP 1787 FGFFID 1001 LGFFID 1783

Water Break - Channel Set 2

SOL SP: 1001

EOL SP: 1787

Offset: 152 ms

149 m

Offset: 152 ms

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:

1592, 1594, 1596, 1765

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

15.9 9.76

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:	89	37.1	11.3

Brute Stack:

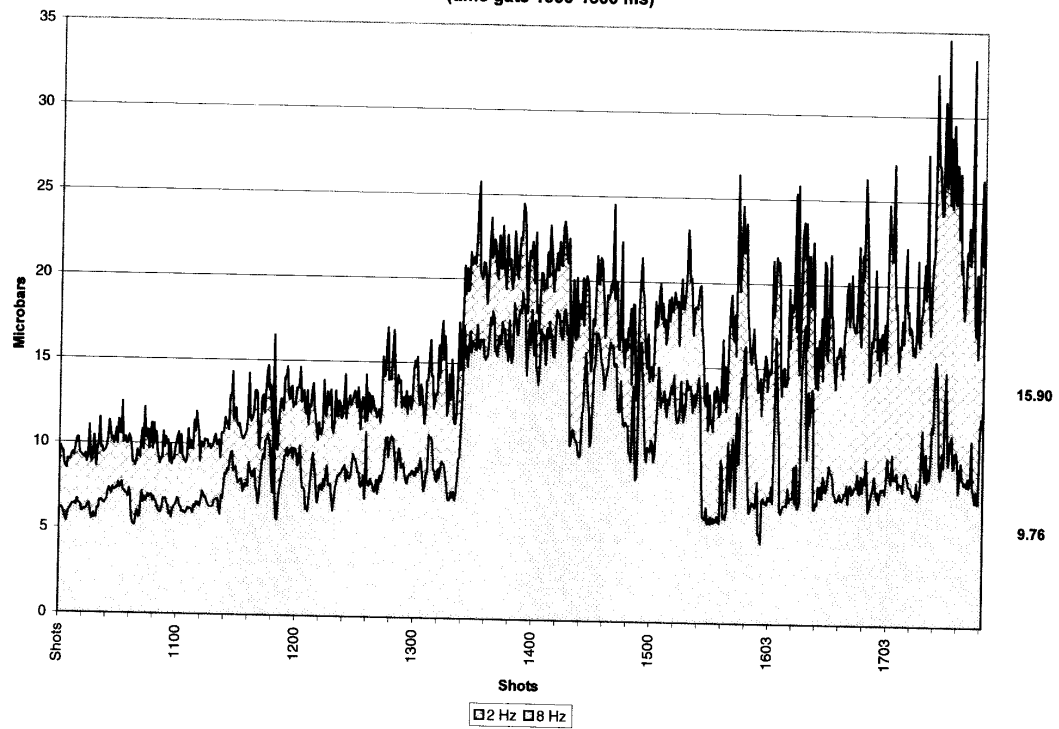
OK

Velocity Comments:

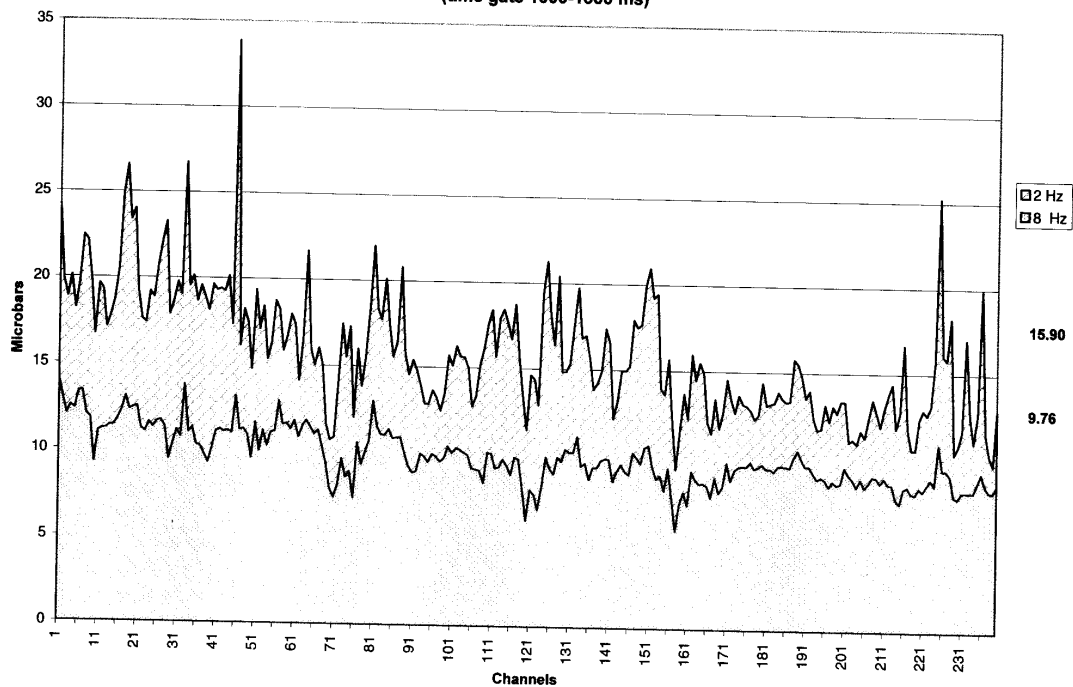
Additional Comments:

Multiples in analysis window increase noise level.

Line PC01-0015a009 Residual Shot Noise
(time gate 1000-1500 ms)



Line PC01-0015a009 Residual Channel Noise
(time gate 1000-1500 ms)



Chan RMS PC01 15-000-00

