

LINE NAME:

PCP-FAS-PC01008T

REF:

104737

OBSERVERS

OBSERVERS LOG

LINE	0008T026
------	----------

VESSEL : R/V Geo Arctic		TIME : 23:04 02:47																																									
CLIENT : PanCanadian Petr. Lmt.(PCP)		SP : 2795 1538																																									
AREA : Block # VIC/P48&VIC/P49		TID : 1001 2254																																									
PROJECT : 34867		TIDE : 29 29																																									
LINE : 0008T026																																											
SEQ : 26																																											
DIR : 159.8		179.8																																									
DATE : 03.01.02																																											
<table border="1"> <tr> <td colspan="4">REMARKS</td> </tr> <tr> <td>Gun Pressure at SOL</td> <td>2027 psi</td> <td>Pressure EOL</td> <td>1957 psi</td> </tr> <tr> <td>Array Volume SOL</td> <td>3660 cu in</td> <td>Array Vol EOL</td> <td>3660 cu in</td> </tr> <tr> <td colspan="4">Offset Shots: Gun 2-5 149 m Gun 3-6 146 m</td> </tr> <tr> <td colspan="4"> SP#2571,2569,2567,2374 missed SP#2790-2181: feathering angle > 10deg. </td> </tr> </table>						REMARKS				Gun Pressure at SOL	2027 psi	Pressure EOL	1957 psi	Array Volume SOL	3660 cu in	Array Vol EOL	3660 cu in	Offset Shots: Gun 2-5 149 m Gun 3-6 146 m				SP#2571,2569,2567,2374 missed SP#2790-2181: feathering angle > 10deg.																					
REMARKS																																											
Gun Pressure at SOL	2027 psi	Pressure EOL	1957 psi																																								
Array Volume SOL	3660 cu in	Array Vol EOL	3660 cu in																																								
Offset Shots: Gun 2-5 149 m Gun 3-6 146 m																																											
SP#2571,2569,2567,2374 missed SP#2790-2181: feathering angle > 10deg.																																											
<table border="1"> <tr> <td colspan="2">SOL</td> </tr> <tr> <td>WIND</td> <td>11 m/s</td> </tr> <tr> <td>WIND DIRECTION</td> <td>300 deg</td> </tr> <tr> <td>SWELL</td> <td>1.5 m</td> </tr> <tr> <td>SWELL DIRECTION</td> <td>270 deg</td> </tr> <tr> <td>CABLE DEPTH</td> <td>8 m</td> </tr> <tr> <td>AVER.NOISE</td> <td>12.3 uB(4Hz)</td> </tr> <tr> <td>AVER.NOISE</td> <td>5.6 uB(8Hz)</td> </tr> <tr> <td>DEPTH</td> <td>2811 m</td> </tr> <tr> <td colspan="2">EOL</td> </tr> <tr> <td>WIND</td> <td>9 m/s</td> </tr> <tr> <td>WIND DIRECTION</td> <td>270 deg</td> </tr> <tr> <td>SWELL</td> <td>5</td> </tr> <tr> <td>SWELL DIRECTION</td> <td>270 deg</td> </tr> <tr> <td>AVER.NOISE</td> <td>3.8 uB(8Hz)</td> </tr> <tr> <td>AVER.NOISE</td> <td>7.5 uB(4Hz)</td> </tr> <tr> <td>DEPTH</td> <td>2520 m</td> </tr> <tr> <td colspan="2">SOURCE DEPTH</td> </tr> <tr> <td colspan="2">6 m</td> </tr> </table>						SOL		WIND	11 m/s	WIND DIRECTION	300 deg	SWELL	1.5 m	SWELL DIRECTION	270 deg	CABLE DEPTH	8 m	AVER.NOISE	12.3 uB(4Hz)	AVER.NOISE	5.6 uB(8Hz)	DEPTH	2811 m	EOL		WIND	9 m/s	WIND DIRECTION	270 deg	SWELL	5	SWELL DIRECTION	270 deg	AVER.NOISE	3.8 uB(8Hz)	AVER.NOISE	7.5 uB(4Hz)	DEPTH	2520 m	SOURCE DEPTH		6 m	
SOL																																											
WIND	11 m/s																																										
WIND DIRECTION	300 deg																																										
SWELL	1.5 m																																										
SWELL DIRECTION	270 deg																																										
CABLE DEPTH	8 m																																										
AVER.NOISE	12.3 uB(4Hz)																																										
AVER.NOISE	5.6 uB(8Hz)																																										
DEPTH	2811 m																																										
EOL																																											
WIND	9 m/s																																										
WIND DIRECTION	270 deg																																										
SWELL	5																																										
SWELL DIRECTION	270 deg																																										
AVER.NOISE	3.8 uB(8Hz)																																										
AVER.NOISE	7.5 uB(4Hz)																																										
DEPTH	2520 m																																										
SOURCE DEPTH																																											
6 m																																											
<table border="1"> <tr> <td colspan="2">GPS</td> </tr> <tr> <td>Safonov Victor</td> <td>Shendrik Vladimir</td> </tr> <tr> <td>Bekezin Andrey</td> <td>Usov Vladimir</td> </tr> <tr> <td>(00:00-12:00)</td> <td>(12:00-24:00)</td> </tr> </table>						GPS		Safonov Victor	Shendrik Vladimir	Bekezin Andrey	Usov Vladimir	(00:00-12:00)	(12:00-24:00)																														
GPS																																											
Safonov Victor	Shendrik Vladimir																																										
Bekezin Andrey	Usov Vladimir																																										
(00:00-12:00)	(12:00-24:00)																																										

mv Geo Arctic

0008T026							
GMT	TAPE	DRIVE	FILE	SHOT	Water depth(m)	F/A (deg)	COMMENTS
	29	01	91				Noise(cable depth 10 m)
			92				Noise(cable depth 8 m)
			93				WB Gun#2-5
			94				WB Gun#3-5
			995	2801			SOL FSP
23:04	29	01	1001	2795	2811	-9.8	FCSP
23:10			1036	2760	2608	-11.4	SP#2790: feathering angle > 10 deg
23:18			1076	2720	-	-11.0	G#4.2 t.crr.:SP#2795,2791,2790(1.13,1.38,1.38ms)
23:25			1116	2680	2573	-10.6	SP#2721 G#3.8, SP#2645,2423 G#2.2- not found
23:32			1156	2640	--	-10.4	
23:39			1196	2600	2456	-10.4	
23:46			1233	2560	--	-10.7	SP#2571,2569,2567 missed d/t vessel speed.
23:53			1273	2520	2658	-11.4	
			1313	2484			Last SP of day
00:00			1313	2480		-11.6	
00:07			1352	2440	2676	-11.9	SP#2473 missed d/t vessel speed.
00:14			1392	2400	2447	-12.2	
00:21			1432	2360	-	-12.4	SP#2374 missed.
00:28			1472	2320	2511	-13.4	
00:36			1512	2280	-	-13.4	
00:43			1552	2240	-	-11.6	
00:50			1592	2200	-	-10.5	
00:57			1632	2160	-	-9.5	SP#2182 feathering angle <10 deg.
01:05			1672	2120	2796	-8.9	
01:12			1712	2080	3008		
01:19			1752	2040	-	-7.8	SP#2030: G3.2 - not found.
01:26			1792	2000	-	-7.6	
01:33			1832	1960	3794	-7.3	SP#1925: G4.4 - not found.
01:41			1872	1920	3514	-7.1	
01:48			1912	1880	-	-7.0	
01:55			1952	1840	2461	-7.2	
02:02			1992	1800	2563	-7.2	From SP#1799 G2.2 many "not found" alarms -
02:09			2032	1760	2497	-6.9	gun believed to working correctly.
02:16			2072	1720	2630	-6.3	
02:22			2112	1680	2489	-4.5	
02:25			2127	1665	2796		LCSP.
02:29			2152	1640	2467	-1.4	
02:36			2192	1600	2572	0.3	
02:43			2232	1560	2463	1.2	
02:47			2254	1538	2520	2.0	LSP
02:48			2257	1535			LdSP
	29	01	2258				Noise.

F.SP = F&A SP

MSX SYSTEM OBSERVER LOG

CLIENT: PanCanadian Pet.Lim.

PROSPECT: 2001 MIDAS'2D SURVEY

HOT	FILE	REEL	TU	FSID	DATE & TIME	EXCEPTION	COMMENT
0	91	29	01	0000 00000	Jan 03, 2002 - 22:51:36	UHTO; NF#; DSP; NFSID; BOR; ITB;	Noise 10m
0	92	29	01	0000 00000	Jan 03, 2002 - 22:55:26	UHTO; NF#; DSP; NFSID; ITB;	Noise 8m
0	93	29	01	0000 00000	Jan 03, 2002 - 22:58:56	UHTO; NF#; DSP; NFSID;	WB G#2.5
0	94	29	01	0000 00000	Jan 03, 2002 - 22:59:48	UHTO; DSP; NFSID;	WB G#3.6
2801	995	29	01	2003 30402	Jan 03, 2002 - 23:03:44	BOL; NF#; NSP; NFSID;	SOL FdSP
2795	1001	29	01	2003 30408	Jan 03, 2002 - 23:04:48		FCSP
2570	1225	29	01	2003 30633	Jan 03, 2002 - 23:44:28	NSP; NFSID;	SP#2571 missed (F.SP 1225)
2568	1226	29	01	2003 30635	Jan 03, 2002 - 23:44:48	NSP; NFSID;	SP#2569 missed (F.SP 1227)
2566	1227	29	01	2003 30637	Jan 03, 2002 - 23:45:08	NSP; NFSID;	SP#2567 missed (F.SP 1229)
2484	1309	29	01	2004 30719	Jan 03, 2002 - 23:59:44	NFSID;	Last SP of day
2373	1419	29	01	2004 30830	Jan 04, 2002 - 00:19:26	NSP; NFSID;	SP#2374 missed (F.SP 1422)
1665	2127	29	01	2004 31538	Jan 04, 2002 - 02:25:16		LCSP
1538	2254	29	01	2004 31665	Jan 04, 2002 - 02:47:52		LSP
1535	2257	29	01	2004 31668	Jan 04, 2002 - 02:48:24		LdSP
0	2258	29	01	0000 00000	Jan 04, 2002 - 02:49:12	EOL; UHTO; NSP; NFSID; ITB;	Noise

I/O MSX SYSTEM OBSERVER LOG

Thu Jan 3 20:59:00 2002

LINE INFORMATION

<i>Client</i>	PanCanadien Pet.Lim.
<i>Prospect</i>	2001 MIDAS 2D SURVEY
<i>Line Name</i>	0008T026
<i>Crew/Party</i>	
<i>Operators</i>	AMIGE
<i>Weather</i>	As Obs. Log
<i>Seas</i>	As Obs. Log
<i>Heading</i>	159.8deg
<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	29	01	0000 00000	Jan 03, 2002 - 22:51:36	UHTO; NF#; DSP; NFSID; BOR; ITB;	Noise 10m
0	92	29	01	0000 00000	Jan 03, 2002 - 22:55:26	UHTO; NF#; DSP; NFSID; ITB;	Noise 8m
0	93	29	01	0000 00000	Jan 03, 2002 - 22:58:56	UHTO; NF#; DSP; NFSID;	WB G#2.5
0	94	29	01	0000 00000	Jan 03, 2002 - 22:59:48	UHTO; DSP; NFSID;	WB G#3.6
2801	995	29	01	2003 30402	Jan 03, 2002 - 23:03:44	BOL; NF#; NSP; NFSID;	SOL FdSP
2795	1001	29	01	2003 30408	Jan 03, 2002 - 23:04:48		FCSP
2570	1225	29	01	2003 30633	Jan 03, 2002 - 23:44:28	NSP; NFSID;	SP#2571 missed
2568	1226	29	01	2003 30635	Jan 03, 2002 - 23:44:48	NSP; NFSID;	SP#2569 missed
2566	1227	29	01	2003 30637	Jan 03, 2002 - 23:45:08	NSP; NFSID;	SP#2567 missed
2484	1309	29	01	2004 30719	Jan 03, 2002 - 23:59:44	NFSID;	Last SP of day
2373	1419	29	01	2004 30830	Jan 04, 2002 - 00:19:26	NSP; NFSID;	SP#2374 missed
1665	2127	29	01	2004 31538	Jan 04, 2002 - 02:25:16		LCSP
1538	2254	29	01	2004 31665	Jan 04, 2002 - 02:47:52		LSP
1535	2257	29	01	2004 31668	Jan 04, 2002 - 02:48:24		LdSP
0	2258	29	01	0000 00000	Jan 04, 2002 - 02:49:12	EOL; UHTO; NSP; NFSID; ITB;	Noise

I/O MSX SYSTEM REEL LOG

Thu Jan 3 20:59:24 2002

LINE INFORMATION

<i>Client</i>	PanCanadien Pet.Lim.
<i>Prospect</i>	2001 MIDAS 2D SURVEY
<i>Line Name</i>	0008T026
<i>Crew/Party</i>	
<i>Operators</i>	AMIGE
<i>Weather</i>	As Obs. Log
<i>Seas</i>	As Obs. Log
<i>Heading</i>	159.8deg
<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

Thu Jan 3 20:59:24 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
29	01	1268	91 2258	0 0	0000 00000 0000 00000	Jan 03, 2002 - 22:51:36 Jan 04, 2002 - 02:49:12

PC01-0008t026_r

Reel # 29 Date 03.01.02 Seq # 26

FSP 2801 LSP 1535 FFFID 995 LFFID 2257
FGSP 2795 LGSP 1538 FGFFID 1001 LGFFID 2254

Water Break - Channel Set 2

SOL SP: 2795 Offset: 152 ms 149 m
EOL SP: 1538 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: 2571, 2569, 2567, 2374

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)

13.32 6.01

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	12.6

Brute Stack:

OK

Velocity Comments:

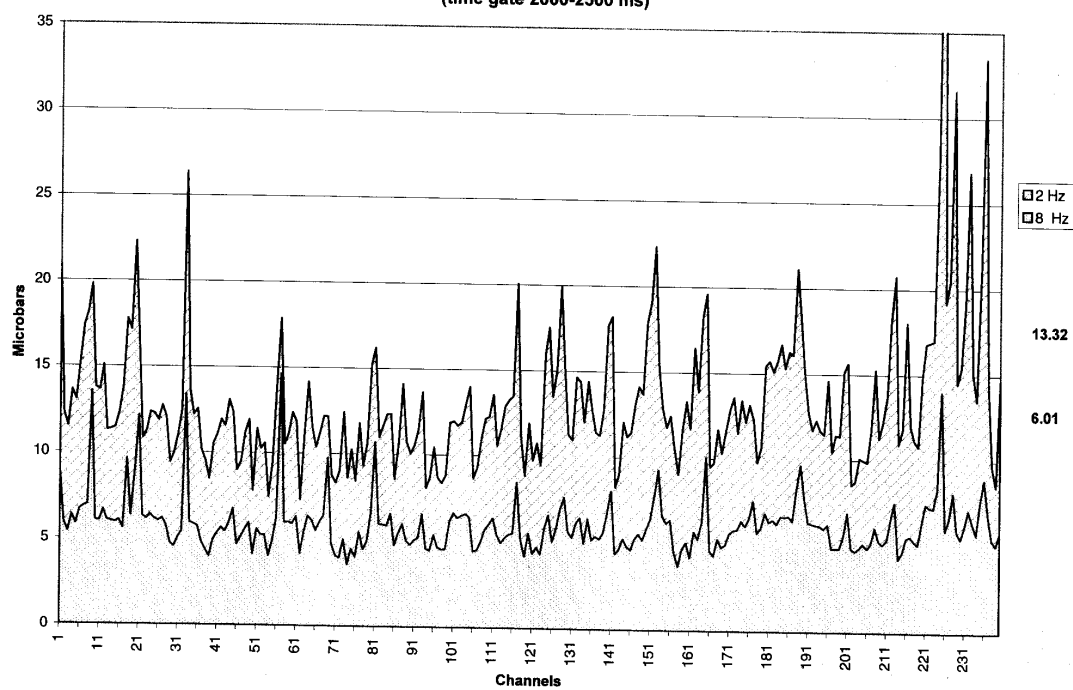
Additional Comments:

Reverse Shooting.

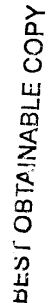
Line QC processed with fake SP (increasing)

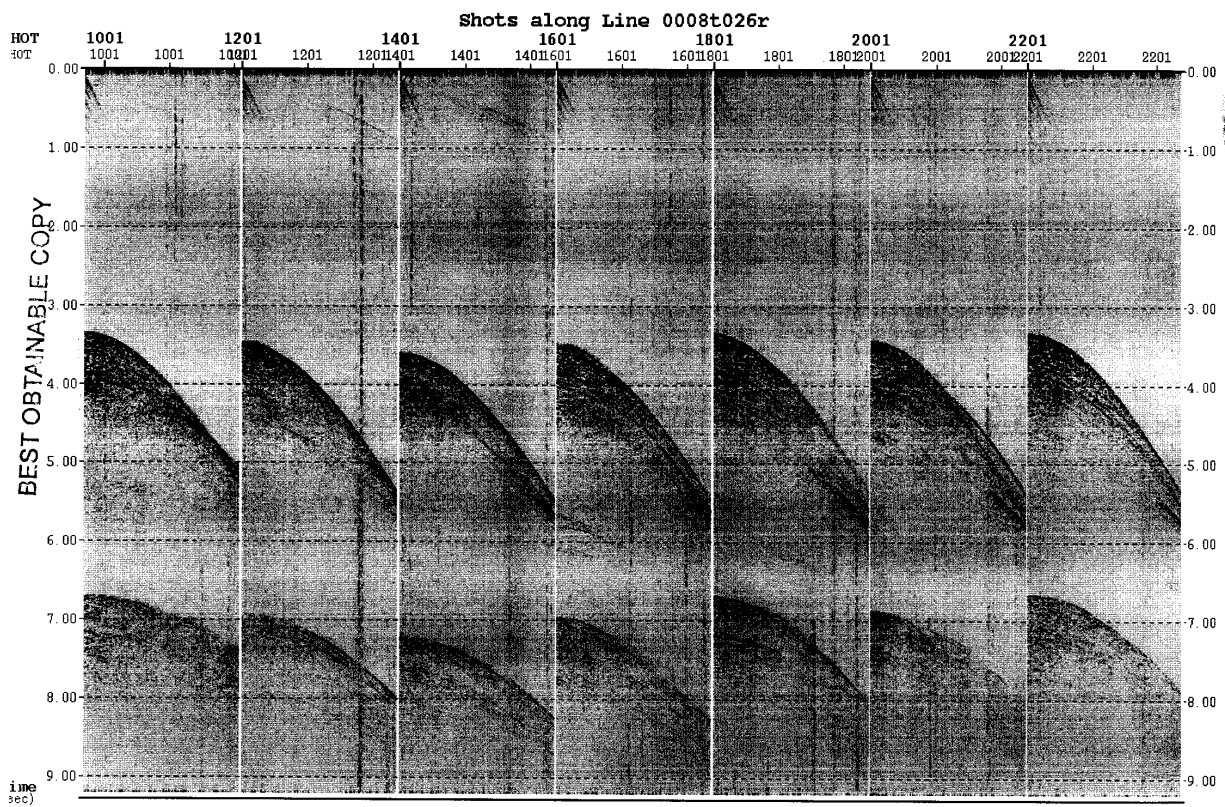
Multiples in analysis window increase noise level.

Line PC01-0008t026_r Residual Channel Noise
(time gate 2000-2500 ms)



Chan_RMS_PC01-08t026r.xls





Line PC01-0008t026_r Residual Shot Noise
(time gate 2000-2500 ms)

