

LINE NAME:

PCP-FAS-PC01004

REF:

104712

OBSERVERS

OBSERVERS LOG

LINE	0004A001
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VESSEL : R/V Geo Arctic CLIENT : PanCanadian Petr. Ltd.(PCP) AREA : Block # VIC/P48&VIC/P49 PROJECT : 34867		TIME : 02:52 08:09 SP : 1001 2779 FFID : 999 2775 PREL : 1 1		BAD GUNS 																					
LINE : 0004A001 SEQ : 1 DIR : 277 DATE : 22.12.01		BAD STREAMER TRACES 		NOISY TRACES 																					
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mv Geo Arctic

0004A001							COMMENTS
GMT	TAPE	DRIVE	FILE	SHOT	Water depth(m)	F/A (deg)	
	1	00	91				WB Gun#2-5
			92				WB Gun#3-5
			93				Noise
02:52	1	00	995	995			SOL FSP
02:52			999	1001	3342	-3.0	FCSP
02:59			1038	1040	3330	-2.6	SP#996;999 - missed.
03:06			1078	1080	3314	-1.9	
03:13			1118	1120	3303	-1.1	
03:21			1158	1160	3289	0.8	
03:28			1198	1200	3271	1.5	
03:35			1238	1240	3246	2.5	
03:42			1278	1280	3200	4.2	
03:49			1318	1320	3186	5.1	
03:56			1358	1360	3172	5.7	
04:04			1398	1400	3157	6.2	
04:11			1438	1440	3143	6.3	
04:18			1478	1480	3115	6.7	
04:25			1518	1520	3090	7.5	From SP#1500 feathering angle > 7deg.
04:32			1558	1560	3051	8.1	
04:39			1598	1600	3034	8.6	
04:46			1638	1640	3008	9.3	
04:53			1677	1681	2971	9.9	SP#1677; 1680 - missed.
05:00			1716	1720	2963	10.2	
05:07			1756	1760	2976	10.0	
50:14			1796	1800	2926	10.1	
05:21			1836	1840	2938	10.6	
05:28			1876	1880	2903	10.4	
05:35			1916	1920	2888	10.2	
05:42			1956	1960	2904	10.4	
05:50			1996	2000	2902	11.2	
05:57			2036	2040	2916	11.5	
06:04			2076	2080	2889	12.0	
06:11			2116	2120	2824	11.9	
06:18			2156	2160	2796	11.6	
06:26			2196	2200	2768	10.9	
06:33			2236	2240	2734	10.8	
06:40			2276	2280	2686	10.4	
06:48			2316	2320	2624	9.6	
06:55			2356	2360	2588	9.3	
07:02			2396	2400	2557	9.8	
07:09			2436	2440	2532	10.3	
07:16			2476	2480	2488	9.3	
07:23			2516	2520	2454	8.6	
07:30			2556	2560	2425	8.1	
07:37			2596	2600	2408	7.6	
07:44			2636	2640	2392	7.1	
07:48			2655	2659	2384	7.0	LCSP. Feathering angle < 7deg.
07:52			2676	2680	2369	6.5	
07:59			2716	2720	2348	6.2	
08:06			2756	2760	2312	5.7	
08:09			2775	2779	2182	5.4	LSP
			2778	2782			LdSP
			2779				Noise.

22 12 2001 08:27

I/O MSX SYSTEM OBSERVER LOG

Sat Dec 22 02:16:58 2001

LINE INFORMATION

<i>Client</i>	PanCanadien Pet.Lim.
<i>Prospect</i>	2001 MIDAS 2D SURVEY
<i>Line Name</i>	0004A001
<i>Crew/Party</i>	
<i>Operators</i>	AMIGE
<i>Weather</i>	As Obs. Log
<i>Seas</i>	As Obs. Log
<i>Heading</i>	277 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	1	00	0000 00000	Dec 22, 2001 - 02:39:36	UHTO; NF#; DSP; NFSID; BOR;	WB Gun# 2.5
0	92	1	00	0000 00000	Dec 22, 2001 - 02:40:48	UHTO; DSP; NFSID;	WB Gun3 3.6
0	93	1	00	0000 00000	Dec 22, 2001 - 02:47:12	UHTO; NF#; DSP; NFSID; ITB;	Noise
995	995	1	00	1356 00029	Dec 22, 2001 - 02:51:18	BOL; NF#; NSP; NFSID;	FSP
997	996	1	00	1356 00031	Dec 22, 2001 - 02:51:38	NSP; NFSID;	SP#996 missed.
1000	998	1	00	1356 00034	Dec 22, 2001 - 02:52:08	NSP; NFSID;	SP#999 missed.
1001	999	1	00	1356 00035	Dec 22, 2001 - 02:52:18		FCSP
1678	1675	1	00	1356 00712	Dec 22, 2001 - 04:52:24	NSP; NFSID;	SP#1677 missed.
1681	1677	1	00	1356 00715	Dec 22, 2001 - 04:52:56	NSP; NFSID;	SP#1680 missed.
2659	2655	1	00	1356 01693	Dec 22, 2001 - 07:48:20		LCSP
2779	2775	1	00	1356 01813	Dec 22, 2001 - 08:09:32		LSP
0	2779	1	00	0000 00000	Dec 22, 2001 - 08:10:48	EOL; UHTO; NSP; NFSID; ITB;	Noise

I/O MSX SYSTEM REEL LOG

Sat Dec 22 02:19:54 2001

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<i>Client</i>	PanCanadien Pet.Lim.
<i>Prospect</i>	2001 MIDAS 2D SURVEY
<i>Line Name</i>	0004A001
<i>Crew/Party</i>	
<i>Operators</i>	AMIGE
<i>Weather</i>	As Obs. Log
<i>Seas</i>	As Obs. Log
<i>Heading</i>	277 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

Sat Dec 22 02:19:54 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
1	00	1788	91 2778	0 2782	0000 00000 0000 00000	Dec 22, 2001 - 02:39:36 Dec 22, 2001 - 08:10:48

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 data 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

PC01-0004a001

Reel # 001 Date 22.12.01 Seq # 001

FSP 995 LSP 2782 FFFID 995 LFFID 2778
FGSP 1001 LGSP 2779 FGFFID 999 LGFFID 2775

Water Break - Channel Set 2

SOL SP: 1001 Offset: 152 ms 149 m
EOL SP: 2779 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	Spikes on data	16	Good
9	Good	17	Good
10	Good	18	Good

Bad/Noisy channels:

Bad Shots:

Lost Shots: 996, 997, 1677, 1680

Environmental Noise

Bird / retriever noise (Amplitude Plots / NearTrace Plot)

RMS Noise Analysis

Average noise per line (Time Gate 1000-1500 ms)
LCF 2 Hz LCF 8 Hz
(in RMS time gate) **35.92 13.74**

Channel Noise statistics (8 Hz):

	# of Chan.	%	Av.noise
Noise level exc. 35 uB:	0	0	
Noise level exc. 15 uB:	16	6.7	16.3
Noise level exc. 10 uB:	240	100	13.7

Brute Stack: OK

Velocity Comments:

Additional Comments:

Multiples in analysis window increase noise level.

Line PC01-0004a001 Residual Shot Noise
(time gate 1000-1500 ms)







