

## DAILY OPERATIONS REPORT # 12

### ANTARES 3D MARINE SEISMIC SURVEY

<b>Contractor:</b>	<b>PGS</b>	<b>Vessel:</b>	<b>Orient Explorer</b>
<b>Woodside Reps:</b>	<b>Ken Haig, Stephen Burt</b>	<b>Party Chief:</b>	<b>Stephen Beer</b>
<b>WEL project Manager:</b>	<b>Ralph Weiss</b>	<b>Date:</b>	<b>Tuesday 28th Oct 2003</b>

#### 1. PRODUCTION SUMMARY

October 28th, 2003

Seq	Line Name	Hdg	Line Type	Line Status	FcSP	LcSP	Ch Sailed
011	WO3ANT-1124P1	305.0	Prime	Incomplete	2224	1678	10.25625
012	WO3ANT-1124P2	305.0	Prime	Completed	1677	893	14.71875
013	WO3ANT-1012P1	126.0	Prime	Incomplete	1001	2944	36.45000
Total 10/28/2003 :							61.42500

#### 2. STATISTICAL ANALYSIS (DECIMAL HOURS)

##### Line Type Analysis

	Period	(%)	Survey	(%)
Prime	61.42500	100	385.91250	100
Total :	61.42500	100	385.91250	100

##### Line Charge Analysis

	Period	(%)	Survey	(%)
Prime	61.42500	100	389.26875	100
Total :	61.42500	100	389.26875	100

##### Charged Sailed Kms

	Period	(%)	Survey	(%)
Prime	61.42500	100	385.91250	100
Total :	61.42500	100	385.91250	100

##### CMP Kms

	Period	(%)	Survey	(%)
Prime	491.40000	100	3,087.30000	100
Total :	491.40000	100	3,087.30000	100

##### Square Kms

	Period	(%)	Survey	(%)
Prime	12.28500	100	77.18250	100
Total :	12.28500	100	77.18250	100

##### Fullfold Sailed Kms

	Period	(%)	Survey	(%)
Prime	57.37500	100	363.63750	100
Total :	57.37500	100	363.63750	100

##### Fullfold CMP Kms

	Period	(%)	Survey	(%)
Prime	459.00000	100	2,909.10000	100
Total :	459.00000	100	2,909.10000	100

##### Fullfold Square Kms

	Period	(%)	Survey	(%)
Prime	11.47500	100	72.72750	100
Total :	11.47500	100	72.72750	100

##### Time Activity Analysis

	Period	(%)	Survey	(%)
Recording	7.517	31	50.617	18

Line Change	4.033	17	24.050	9
Extended L/C	0.000	0	1.500	1
Weather	0.000	0	46.000	17
Instrument	0.000	0	0.217	0
Source	3.283	14	5.200	2
Travel t/f Port	0.000	0	4.250	2
Client	4.583	19	4.583	2
Contractor	4.583	19	4.583	2
Mobilisation	0.000	0	136.000	49
Total :	24.000	100	277.000	100

#### Time Cause/Reason Analysis

	Period	(%)	Survey	(%)
Production	11.550	48	74.667	27
Weather	0.000	0	46.000	17
Equip.Fail	3.283	14	5.417	2
MOB/DeMOB	0.000	0	140.250	51
Obstruction	0.000	0	0.183	0
Crew Change	9.167	38	9.167	3
Survey Shape	0.000	0	1.317	0
Total :	24.000	100	277.000	100

#### Time Charge Analysis

	Period	(%)	Survey	(%)
Prime	7.517	31	50.617	18
Operations	4.033	17	24.050	9
Standby	4.583	19	52.083	19
Contractor	7.867	33	10.000	4
Mob/Demob	0.000	0	140.250	51
Total :	24.000	100	277.000	100

### 3. TIME SUMMARY

October 28th, 2003

Start	End	Hours	Description / Comments	Charge
00:00	01:13	1.217	Production (Recording) Line continued through midnight local time. Aborted line at SP 1678 and circled due to air-leak on gun array.	Prime
01:13	04:30	3.283	Equip.Fail (Source) Circle and repair air leak on array 1.	Contractor
04:30	06:17	1.783	Seq 012 : Line WO3ANT-1124P2	Prime
06:17	08:04	1.783	Production (Line Change)	Operations
08:04	12:35	4.517	Seq 013 : Line WO3ANT-1012P1 Miss SP 2102-2153 due to Syntrek crash - continue down line and reboot the system then continue recording to completion. Data tape 35653 NOT TO BE PROCESSED.	Prime
12:35	14:50	2.250	Production (Line Change) Nominal line change	Operations
14:50	19:25	4.583	Crew Change (Contractor) Start recovery of streamer for crew change. This time is shared 50/50 with Woodside till start of acquisition after the scheduled crew change.	Contractor
19:25	24:00	4.583	Crew Change (Client) Streamer recovery for crew change - time is shared 50/50 with PGS till start of acquisition after scheduled crew change on wednesday 29th October in Portland.	Standby
Total :		24.000		

#### Chase/Supply Vessel Status:

Southern Salvor on site with Orient Explorer.  
Perfect Lady on site.

#### Problems / Comments:

Completed line 1124 then turned on to line 1024, close inshore.

Missed SP 2102-2153 due to an on-line hangup with the Spectra. Rebooted the system and continued recording the line to completion. The portion missed will have to be reshot on PGS account at a convenient time later in the survey.

**Fishing Activity:**

A fishing vessel was sighted some 4 miles south of the survey area when we were in a turn on line 1114 doing array repairs. He was contacted but was well clear of our operations and was the cause of no interference. This has been the only vessel sighted anywhere near the survey.

The Perfect Lady picked up one crayfish pot – it has South Australian registration and is now on the deck of the Perfect Lady.

**Shipping:**

No shipping has been observed or reported in the area with the exception of work boats attached to the Semac1.

**Crew change for Orient**

Recovery of the streamer commenced on completion of line 1012 – time charges commenced after a nominal line change time was taken.. These times as agreed will be split 50/50 unless there are PGS delays in Portland,.

Vessel is scheduled to be in Portland at 06:00 hours on Wednesday 29<sup>th</sup> Oct. We should be alongside at approximately 07:15 hours local time. The vessel was originally scheduled to depart at 14:00 hours, but due to late arrival of PGS crew it will be delayed till 17:00 hours.

**Medical Treatment Case**

No further news at the time of this report.

**General Weather Comments:**

Winds down to 5 knots in the morning with a 1.3 metres swell, but picked up slightly as the day progressed.

**Close of the day.**

Recovering streamers in preparation for crew change in Portland

Winds: SW 20 knots

Swell: SSW 1.5m

SEQ	COMMENTS
<p>012 Dir 305°</p>	<p><b>W03ANT1124 P1 SP 1687 – 836 Second portion to completion.</b>  Data Tape Nos: 35649 - 35650  Continuation of line after aborting due to an air-leak on array 1. Now complete..  Acceptable swell noise, balance and control on line. Some slight random bursts of swell noise observed.  Weather: Winds SSW 5 knots Knots , Sea and Swell: SSW up to 1.5 metres.  Noise at SOL: 5-6µB, EOL: 5-6µB (6Hz lo-cut filter applied)  Water Depth: SOL: 38.3m, EOL: 41.0m  Feather at SOL: -2.4°, EOL : -0.2°, Max: -2.4°  Streamer Depth: 7.5 metres acceptable depth control.  Bird 4 on streamer 4 lost communications for complete line. To be replaced at first opportunity.  Noisy Traces: Nil logged – random swell bursts throughout the line.  Gun Volume SOL: 2500 , EOL: 2500. Good pressure and control.  Gun edits logged : – 2 spread errors above 2ms SP 1660, 1310  Timing errors: NIL  Missed Shots: 1162</p>
<p>013 Dir 125°</p>	<p><b>W03ANT1012 P1 SP 1001 – 2836 Incomplete</b>  Data Tape Nos: 35651 - 35653  Missed SP 2102-2153 due to an on-line hangup with the Spectra. Rebooted the system and continued recording the line to completion. The portion missed will have to be reshot on PGS account at a convenient time later in the survey.  Acceptable swell noise, balance and control on line. Some random bursts of swell noise observed.  Weather: Winds E 8 knots Knots , Sea and Swell: ESE up to 3.0 metres at times near the end of the line  Noise at SOL: 7-8µB, EOL: 7-8µB (6Hz lo-cut filter applied)  Water Depth: SOL: 32.1m, EOL: 53.6m  Feather at SOL: -1.6°, EOL : 1.0°, Max: 1.0°  Streamer Depth: 7.5 metres acceptable depth control.  Bird 4 on streamer 4 lost communications for complete line. To be replaced at first opportunity.  Noisy Traces: Nil logged – random swell bursts throughout the line.  Gun Volume SOL: 2500 , EOL: 2500. Good pressure and control.  Gun edits logged : – 5 spread errors above 2ms SP 1224, 1957, 2484, 2834, 2840  Timing errors above 1.5ms: NIL  Missed Shots: Data tape 35653 not to be processed. SP 2102-2153 not recorded due to Syntrak</p>

### HSE Daily Statistics - 28/10/2003

#### Comments:

No accidents or lost time incidents reported. No spillage of oil or loss of containment overboard. Whale watches have been maintained - no sightings. 2 STOP cards- Positive observation -mechanics cleaning and sweeping decks of debris after cable work. Washing machine very slow cycle - 3 hours. Fridge in galley freezing food - to cold

#### HSE Items:

Stop Card Issued - 2 issued.

12:00 - 12:19

Toolbox Meeting/Debrief [TB]

Toolbox meeting prior to streamer recovery.

Description	Day	Month	Survey
<b>Incidents</b>			
Near Miss Incident (NMI)	0	0	0
First Aid Case (FAC)	0	0	0
Medical Treatment Case (MTC)	0	0	0
Restricted Work Case (RWC)	0	0	0
Fatality (FT)	0	0	0
Lost time Injury (LTI)	0	0	0
Oil Spill (OS)	0	0	0
Illness/Ailment (IA)	0	0	0
Environmental Incident (EI)	0	0	0
Hazard Report (HR)	0	0	0
Positive Observation (PO)	0	2	2
Equipment Loss/Damage (ELD)	0	0	0
Non work related illness (NWR)	0	1	1
<b>Events</b>			
Stop Cards Issued ( )	2	6	6
Small Boat Launches ( )	0	2	2
Helicopter Landing/Takeoff (HL)	0	0	0
MOB Drill (MD)	0	0	0
Fire Drill (FD)	0	0	0
Emergency Boat /Towing Drill (EBD)	0	5	5
Safety Meeting (SM)	0	2	2
HSE Induction-Inspection (IT)	0	2	2
Safety Committee Meeting (SCM)	0	0	0
HSE Audits/Inspections/Safety Checks (HSE)	0	5	5
Toolbox Meeting/Debrief (TB)	1	10	10
Cetacean Sighting (CS)	0	0	0
Bunker and Resupply (BR)	0	0	0
Oil Spill Drill (OR)	0	0	0
Personnel transfer at sea (PT)	0	0	0
<b>Totals</b>			
No. Marine Crew	34	417	417
No. Seismic Crew	21	252	252
No. Contractors	3	36	36
No. Lost Time Injuries	0	0	0
Exposure Hours *	696	8460	8460
Small Boat Hours (Decimal hours)	0.00	4.48	4.48
Small Boat Exposure Hours (Dec. hours)	0.00	17.93	17.93
Fuel Usage (Cubic Metres)	17	105	105
* Exposure hours calculated at 12hrs per day per person.			

**Navigation report submitted by Stephen Burt for Tuesday 28<sup>th</sup> Oct**

**Navigation General:**

**General:**

Attempted to FTP the P2 and P1 files back to Perth but it appears the PGS firewall is preventing the files to be transferred. Best option will be to pass the files on CD ROM in the morning during the planned crew change in Portland. PGS have checked Sequence 002 in-house and have passed it.

Seas were good for the area today but still experiencing a swell which is affecting some acoustics and compasses as previously reported.

**Progress:**

Shot to Sequence: #013 Processed to Sequence #013 QC'd to Sequence #007

**NTBP Sequences:**

001

**Dead/Bad Units:**

rGPS:- TB4 failed from SP #2124 to the EOL during sequence 013 the remaining pods were active.

Acoustics - All pods are operational.

Compasses – S4C4 inactive from Sequence 004.

Regards,

*Ken Haig and Stephen Burt*

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