

DAILY OPERATIONS REPORT # 11

ANTARES 3D MARINE SEISMIC SURVEY

Contractor:	PGS	Vessel:	Orient Explorer
Woodside Reps:	Ken Haig, Stephen Burt	Party Chief:	Stephen Beer
WEL project Manager:	Ralph Weiss	Date:	Monday 27th Oct 2003

1. PRODUCTION SUMMARY

October 27th, 2003

Seq	Line Name	Hdg	Line Type	Line Status	FcSP	LcSP	Ch Sailed
008	WO3ANT-1100P1	126.0	Prime	Completed	1001	2944	36.45000
009	WO3ANT-1132P1	305.0	Prime	Completed	2836	893	36.45000
010	WO3ANT-1004P1	125.0	Prime	Incomplete	1022	2944	36.05625
011	WO3ANT-1124P1	305.0	Prime	End of Day	2836	2225	11.47500
						Total 10/27/2003 :	120.43125

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Type Analysis

	Period	(%)	Survey	(%)
Prime	120.43125	100	324.48750	100
Total :	120.43125	100	324.48750	100

Line Charge Analysis

	Period	(%)	Survey	(%)
Prime	120.43125	100	327.84375	100
Total :	120.43125	100	327.84375	100

Charged Sailed Kms

	Period	(%)	Survey	(%)
Prime	120.43125	100	324.48750	100
Total :	120.43125	100	324.48750	100

CMP Kms

	Period	(%)	Survey	(%)
Prime	963.45000	100	2,595.90000	100
Total :	963.45000	100	2,595.90000	100

Square Kms

	Period	(%)	Survey	(%)
Prime	24.08625	100	64.89750	100
Total :	24.08625	100	64.89750	100

Fullfold Sailed Kms

	Period	(%)	Survey	(%)
Prime	114.35625	100	306.26250	100
Total :	114.35625	100	306.26250	100

Fullfold CMP Kms

	Period	(%)	Survey	(%)
Prime	914.85000	100	2,450.10000	100
Total :	914.85000	100	2,450.10000	100

Fullfold Square Kms

	Period	(%)	Survey	(%)
Prime	22.87125	100	61.25250	100
Total :	22.87125	100	61.25250	100

Time Activity Analysis

	Period	(%)	Survey	(%)
Recording	15.267	64	43.100	17
Line Change	8.233	34	20.017	8
Extended L/C	0.500	2	1.500	1
Weather	0.000	0	46.000	18
Instrument	0.000	0	0.217	0
Source	0.000	0	1.917	1
Travel t/f Port	0.000	0	4.250	2
Mobilisation	0.000	0	136.000	54
Total :	24.000	100	253.000	100

Time Cause/Reason Analysis

	Period	(%)	Survey	(%)
Production	23.500	98	63.117	25
Weather	0.000	0	46.000	18
Equip.Fail	0.000	0	2.133	1
MOB/DeMOB	0.000	0	140.250	55
Obstruction	0.000	0	0.183	0
Survey Shape	0.500	2	1.317	1
Total :	24.000	100	253.000	100

Time Charge Analysis

	Period	(%)	Survey	(%)
Prime	15.267	64	43.100	17
Operations	8.233	34	20.017	8
Standby	0.500	2	47.500	19
Contractor	0.000	0	2.133	1
Mob/Demob	0.000	0	140.250	55
Total :	24.000	100	253.000	100

3. TIME SUMMARY

October 27th, 2003

Start	End	Hours	Description / Comments	Charge
00:00	01:43	1.717	Production (Line Change)	Operations
01:43	02:00	0.283	Survey Shape (Extended L/C)	Standby
			Extended line change due to tear drop turn, minimal line choice due to priority lines and optimizing time and trying to reduce interference from Semac 1.	
02:00	06:44	4.733	Seq 008 : Line WO3ANT-1100P1	Prime
06:44	08:59	2.250	Production (Line Change)	Operations
			Nominal line change.	
08:59	09:12	0.217	Survey Shape (Extended L/C)	Standby
			Tear drop turn due to line choice restrictions and directions.	
09:12	13:45	4.550	Seq 009 : Line WO3ANT-1132	Prime
13:45	15:47	2.033	Production (Line Change)	Operations
15:47	20:20	4.550	Seq 010 : Line WO3ANT-1004P1	Prime
			Missed first 22 shots at the SOL due to a Syntak halt during the run in - continue the line to completion.	
20:20	22:34	2.233	Production (Line Change)	Operations
22:34	24:00	1.433	Seq 011 : Line WO3ANT-1124P1	Prime
			Line continued through midnight local time.	
	Total :	24.000		

Chase/Supply Vessel Status:

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

Problems / Comments:

Another full day of acquisition with few problems. Missed the first 22 shots on line 1004 at the northern end due to a Syntak hangup and reboot just prior to the FSP.

Crew change for Orient

Vessel is scheduled to be in Portland at 06:00 hours on Wednesday 29th Oct. We should be alongside at approximately 07:15 hours local time.

HSE & Audit Issues

Updates of the HSE Audit findings have been posted again – crew again advised of need to clear out work and storage areas of any rubbish or debris.

Conduct SOLAS training for marine crew – life boat deployment, equipment, fire fighting systems.

Medical Treatment Case

No further news at the time of this report.

General Weather Comments:

Conditions fair with wind up to 20 knots at time and swell approaching 2 metres.

Close of the day.

Continuing on line 1124 – we will then turn and attempt 1012.

UPDATE - At 01:20a.m. forced to abandon line 1124 due to an air-leak – we shall circle and continue the line. Next line should then be 1012 along the coast – conditions permitting.

Winds: SW 20 knots

Swell: SSW 1.5m - confused

SEQ	COMMENTS
008 Dir 125°	<p>W03ANT1100 P1 SP 1001 - 2944 Complete</p> <p>Data Tape Nos: 35634 - 35637</p> <p>Acceptable swell noise, balance and control on line. Some random bursts of swell noise observed.</p> <p>Weather: Winds W 20 knots Knots , Sea and Swell: W 20 knots.</p> <p>Noise at SOL: 6-7µB, EOL: 6-7µB (6Hz lo-cut filter applied)</p> <p>Water Depth: SOL: 37.4m, EOL: 53.96m</p> <p>Feather at SOL: -0.0°, EOL : 0.9°, Max: -1.7°</p> <p>Streamer Depth: 7.5 metres acceptable depth control. Bird 4 on streamer 4 lost communications for complete line. Unable to replace due to swell at this time.</p> <p>Noisy Traces: Nil logged – random swell bursts throughout the line.</p> <p>Gun Volume SOL: 2500 , EOL: 2500. Good pressure and control.</p> <p>SP 2155 gun 1-11 disabled , gun 1-8 enabled.</p> <p>False autofires displyed on gun 1-11 – electrical short.</p> <p>Gun edits logged : – 4 spread errors above 2ms SP 1705, 2564, 2610, 2666</p> <p>Missed Shots: NIL</p>
009 Dir 305°	<p>W03ANT1132 P1 SP 2836-893 Complete</p> <p>Data Tape Nos: 35638 - 35641</p> <p>Acceptable swell noise, balance and control on line. Some random bursts of swell noise observed.</p> <p>Weather: Winds SW 20 knots Knots , Sea and Swell: SSW 2Up to 2 metres.</p> <p>Noise at SOL: 6-7µB, EOL: 6-7µB (6Hz lo-cut filter applied)</p> <p>Water Depth: SOL: 42.2m, EOL: 36.4m</p> <p>Feather at SOL: 0.4°, EOL : -0.4°, Max: 1.1°</p> <p>Streamer Depth: 7.5 metres acceptable depth control. Bird 4 on streamer 4 lost communications for complete line. Unable to replace due to swell at this time.</p> <p>Noisy Traces: Nil logged – random swell bursts throughout the line.</p> <p>Gun Volume SOL: 2500 , EOL: 2500. Good pressure and control.</p> <p>SP 2155 gun 1-11 disabled , gun 1-8 enabled.</p> <p>False autofires displyed on gun 1-11 – electrical short on gun controller – gun not firing (Gun 1-11)</p> <p>Gun edits logged : – 11 spread errors above 2ms SP 2684,2644,2454,2170,2168,2164,1772,1626, 1355,1315,1248</p> <p>Missed Shots: NIL</p>
010 Dir 125°	<p>W03ANT1004 P1 SP 1022 - 2944 Incomplete - Syntrak hangup</p> <p>Data Tape Nos: 35642 - 35645</p> <p>Missed SP 1001 –1021 due to a Syntrak hangup and reboot during the run-in to SOL</p> <p>Acceptable swell noise, balance and control on line. Some random bursts of swell noise observed.</p> <p>Weather: Winds SW 10 knots Knots , Sea and Swell: SW up to 2 metres.</p> <p>Noise at SOL: 5-8µB, EOL: 5-8µB (6Hz lo-cut filter applied)</p> <p>Water Depth: SOL: 22.5m, EOL: 53.7m</p> <p>Feather at SOL: -2.3°, EOL : 0.2°, Max: -1.9°</p> <p>Streamer Depth: 7.5 metres acceptable depth control. Bird 4 on streamer 4 lost communications for complete line. Unable to replace due to swell at this time.</p> <p>Noisy Traces: Nil logged – random swell bursts throughout the line.</p> <p>Gun Volume SOL: 2500 , EOL: 2500. Good pressure and control.</p> <p>SP 2155 gun 1-11 disabled , gun 1-8 enabled.</p> <p>Gun 1-11 disabled whole line – replaced by gun 1-8 same volume.</p> <p>Gun edits logged : – 3 spread errors above 2ms SP 1477, 1516, 2494. Timing errors: Sp 1131, 2265</p> <p>Missed Shots: 1676, 1679, 2063 due to vessel speed.</p>
011 Dir 305°	<p>W03ANT1124 P1 SP 2836 - 1678 Incomplete - airleak - circle</p> <p>Data Tape Nos: 35646 - 35648</p> <p>Stop shooting at SP 1678 due to an air-leak. Cirlce to complete line.</p> <p>Acceptable swell noise, balance and control on line. Some random bursts of swell noise observed.</p> <p>Weather: Winds SW 8 knots Knots , Sea and Swell: SW up to 1.5 metres.</p> <p>Noise at SOL: 7-8µB, EOL: 7-8µB (6Hz lo-cut filter applied)</p> <p>Water Depth: SOL: 55.6m, EOL: 39.0m</p> <p>Feather at SOL: 1.3°, EOL : -0.2°, Max: 1.3°</p> <p>Streamer Depth: 7.5 metres acceptable depth control.</p> <p>Bird 4 on streamer 4 lost communications for complete line. To be replaced at first opportunity.</p> <p>Noisy Traces: Nil logged – random swell bursts throughout the line.</p> <p>Gun Volume SOL: 2500 , EOL: 2500. Good pressure and control.</p> <p>SP 2155 gun 1-11 disabled , gun 1-8 enabled.</p> <p>Gun 1-11 false autofires throughout the line. Electrical short in the system.</p> <p>Gun edits logged : – 7 spread errors above 2ms SP 2696, 2672, 2458, 2202,1878, 1756, 1735.</p> <p>SP 1845 gun 1-11 disabled. SP 1843 Gun 1-8 enabled</p> <p>Timing errors: Sp 1131, 2265</p> <p>Missed Shots: 2308, 2307</p>

012 Dir 305°	
013 Dir 305°	
014 Dir 125°	

HSE Daily Statistics - 27/10/2003

Comments:

No accidents or lost time incidents reported. No spillage of oil or loss of containment overboard. Whale watches have been maintained - no sightings.

HSE Items:

13:00 - 13:25 Emergency Boat /Towing Drill [EBD]
Conduct SOLAS training for Russian marine Crew

Description	Day	Month	Survey
Incidents			
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
Events			
Stop Cards Issued ()	0	4	4
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)	1	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)	0	9	9
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
Totals			
No. Marine Crew	34	383	383
No. Seismic Crew	21	231	231
No. Contractors	3	33	33
No. Lost Time Injuries	0	0	0
Exposure Hours *	696	7764	7764
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	88	88
* Exposure hours calculated at 12hrs per day per person.			

Navigation report submitted by Stephen Burt for Monday 27th Oct

Completed the line nearest to the shore did note that the centre separations online were affected by seabed reflections as this was the shallowest section of the block. The line has yet to be processed.

Independent P2 checks did confirm that a number of ranges were either missing or poor around front centre streamers also seabed reflections were evident.

Swell conditions continue to affect the acoustic and compass as previously reported.

Noted that the MultiFix Pdp value increased at times when the SEADIFF was stable however it was generally over a short period. Height Aiding has improved the solution during the short periods when the Number of Satellites are available are 4.

Progress:

Shot to Sequence: #011 Processed to Sequence #007 QC'd to Sequence #005

NTBP Sequences:

001

Dead/Bad Units:

rGPS:- All pods are operational.

Acoustics - All pods are operational.

Compasses – S4C4 inactive from Sequence 004.

Regards,

Ken Haig and Stephen Burt

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