

DAILY OPERATIONS REPORT # 18

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 03rd 04th Nov 2003

1. PRODUCTION SUMMARY

November 3rd, 2003

Seq	Line Name	Hdg	Line Type	Line Status	FcSP	LcSP	Ch Sailed
016	WO3ANT-1012P2	125.0	N/C Reshoot	Completed	0	0	0.00000
017	WO3ANT-1260P1	305.0	Prime	Completed	2168	893	23.92500
Total 11/3/2003 :							23.92500

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

Line Type Analysis

	Period	(%)	Survey	(%)
Prime	23.92500	100	480.45000	100
Total :	23.92500	100	480.45000	100

Line Charge Analysis

	Period	(%)	Survey	(%)
Prime	23.92500	95	483.80625	100
N/C Reshoot	1.16250	5	1.16250	0
Total :	25.08750	100	484.96875	100

Charged Sailed Kms

	Period	(%)	Survey	(%)
Prime	23.92500	100	480.45000	100
Total :	23.92500	100	480.45000	100

CMP Kms

	Period	(%)	Survey	(%)
Prime	191.40000	100	3,843.60000	100
Total :	191.40000	100	3,843.60000	100

Square Kms

	Period	(%)	Survey	(%)
Prime	4.78500	100	96.09000	100
Total :	4.78500	100	96.09000	100

Fullfold Sailed Kms

	Period	(%)	Survey	(%)
Prime	21.90000	100	452.10000	100
Total :	21.90000	100	452.10000	100

Fullfold CMP Kms

	Period	(%)	Survey	(%)
Prime	175.20000	100	3,616.80000	100
Total :	175.20000	100	3,616.80000	100

Fullfold Square Kms

	Period	(%)	Survey	(%)
Prime	4.38000	100	90.42000	100
Total :	4.38000	100	90.42000	100

Time Activity Analysis

Period	(%)	Survey	(%)
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Recording	3.133	13	63.450	15
Line Change	1.067	4	29.617	7
Extended L/C	0.000	0	1.900	0
Weather	0.000	0	65.733	16
Instrument	2.533	11	2.983	1
Source	0.000	0	5.200	1
Streamer	17.267	72	36.450	9
Ship	0.000	0	0.500	0
Travel t/f Port	0.000	0	4.250	1
Port/Crew Change	0.000	0	71.917	17
Contractor	0.000	0	3.000	1
Mobilisation	0.000	0	136.000	32
Total :	24.000	100	421.000	100

Time Cause/Reason Analysis

	Period	(%)	Survey	(%)
Production	4.200	18	93.067	22
Weather	0.000	0	65.733	16
Equip.Fail	19.800	83	45.133	11
MOB/DeMOB	0.000	0	140.250	33
Wside.Reg	0.000	0	35.950	9
Crew Change	0.000	0	35.967	9
PGS	0.000	0	3.000	1
Survey Shape	0.000	0	1.900	0
Total :	24.000	100	421.000	100

Time Charge Analysis

	Period	(%)	Survey	(%)
Prime	3.133	13	63.450	15
Operations	1.067	4	29.617	7
Standby	0.000	0	103.583	25
Contractor	19.800	83	84.100	20
Mob/Demob	0.000	0	140.250	33
Total :	24.000	100	421.000	100

3. TIME SUMMARY

November 3rd, 2003

Start	End	Hours	Description / Comments	Charge
00:00	17:16	17.267	Equip.Fail (Streamer) Complete ballasting of streamer 4, adjust ballast on streamers 2 and 3 at the tail end and replace the lead-in on streamer 4. Transit to line 1012 to acquire SP 2092-2153 which were not recorded during an earlier sequence due to a Syntrak crash on-line.	Contractor
17:16	17:24	0.133	Seq 016 : Line WO3ANT-1012P2 Acquire reshoot due to Syntrak crash on first line attempt. Line is now complete.	Contractor
17:24	19:48	2.400	Equip.Fail (Instrument) Non-chargeable line change after reshoot due to Syntrak halt on line 1012	Contractor
19:48	22:56	3.133	Seq 017 : Line WO3ANT-1260P1	Prime
22:56	24:00	1.067	Production (Line Change)	Operations
	Total :	24.000		

Chase/Supply Vessel Status:

Southern Salvor and Perfect Lady on site.

Comments/Problems:

Continue with attempts to improve balance of streamer 4 at the head end. Finally got the ballast right then lost power to the same streamer. This was traced to a faulty lead-in which was finally replaced. Meanwhile the workboat was launched to make minor ballast changes to the tail end of streamers 2 and 3.

Completed the acquisition of a non-chargeable reshoot on line 1012 from sequence 013 – SP range 2102-2153 – these shots were charged in the first instance and now listed as non-chargeable reshoots.

Semac-1

Still on location near Port Campbell, but threatening to start moving over the next 24 hours – good communications being maintained on all lines to date. At the close of the day and updated at 05:00 am the vessel still had not moved.

Cetacean Report:

No sightings reported. A specific watch from the Bridge with dedicated observer was conducted one hour prior to initialising the source at the commencement of acquisition after streamer work. Soft start procedures for the source arrays are in place on all lines.

Weather Comments:

Improved. Swell less than 2 metres, winds 7-15 knots at times.

Close of the day and local time updates.

On line change to 1044 heading 125°.

Commenced line 1044 at 01:01 local time and have since completed and now on line 1172 heading 305°

SEQ	COMMENTS
016 Dir 125°	W03ANT1012 P1 SP 2092-2153 Line now complete Data Tape Nos 35667 Weather: Winds 7-15 knots , Sea and Swell: 2-3metres at times. Noise at SOL: 5-6µB, EOL: 5-6µB (6Hz lo-cut filter applied) Water Depth: SOL: 21.4m, EOL: 20m Feather at SOL: 0.3°, EOL : 0.3°, Max: 0.3 ° Streamer Depth: 7.5 to 8 metres - acceptable. Noisy Traces: 300, 312, 13 and 254 intermittent spiking Gun Volume SOL: 2500 , EOL: 2500. Gun edits logged : NIL (Sp 2132 gun 4-6 false auto-fire display – no sign on QC) Timing errors above 1.5ms: SP Missed Shots: NIL
017 Dir 305°	W03ANT1260 P1 SP 2168 – 893 Complete Data Tape Nos 35668-35670 Weather: Winds 12 knots , Sea and Swell: 2-3metres at times. Noise at SOL: 4-6µB, EOL: 4-6µB (6Hz lo-cut filter applied) Water Depth: SOL: 47.24m, EOL: 41.9m Feather at SOL: 0.4°, EOL : 0.1°, Max: 0.4 ° Streamer Depth: 7.5 to 8 metres - acceptable. Streamer 4 bird 6 max depth occasionally 9.1m Noisy Traces: 204, 300, 299, 312, 13 noisy and 254 intermittent spiking Gun Volume SOL: 2500 , EOL: 2500. Gun edits logged : Delta errors over 2.1ms : 1346, 1122, 1120, 1118, 1116, 1114 Timing errors above 1.5ms: SP 1314 Missed Shots: SP 1069, 1068 ExtractionErrors: 2129, 2124, 2006, 1979, 1976, 1479, 1444, 1355, 1353, 1325, 1311, 1296, 1290, 1284, 1279, 1204, 1093

HSE Daily Statistics - 03/11/2003

Comments:

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

HSE Items:

10:30 - 10:45 Toolbox Meeting/Debrief [TB]
Toolbox meeting prior to launching workboat for cable ballasting

10:57 - 11:50 Work Boat [WB] - 4 occupants
Workboat launch for cable ballasting at the tail of streamer 2.

13:00 - 13:45 Audit/Inspection/Training/Safety . [HSE]
Conduct HSE Training for PGS Crew . This will be done daily for the next 5 days. Instructor is PGS HSE Adviser from Singapore.

14:00 - 14:15 Toolbox Meeting/Debrief [TB]
Toolbox Meeting prior to launch of work boat.

14:56 - 16:49 Work Boat [WB] - 4 occupants
Boat launch for TS Dip and continuing streamer ballasting in reasonable weather and swell conditions

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	0	3
Equipment Loss/Damage (ELD)	0	0	0
Non work related illness (NWR)	0	0	1
Events			
Stop Cards Issued ()	0	0	8
Small Boat Launches ()	2	2	4
Helicopter Landing/Takeoff (HL)	0	0	0
MOB Drill (MD)	0	0	0
Fire Drill (FD)	0	1	1
Emergency Boat /Towing Drill (EBD)	0	0	7
Safety Meeting (SM)	0	0	2
HSE Induction-Inspection (IT)	0	1	4
Safety Committee Meeting (SCM)	0	1	1
Audit/Inspection/Training/Safety . (HSE)	1	1	6
Toolbox Meeting/Debrief (TB)	2	4	15
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	35	105	626
No. Seismic Crew	22	66	384
No. Contractors	3	9	54
No. Lost Time Injuries	0	0	0
Exposure Hours *	720	2160	12768
Small Boat Hours (Decimal hours)	2.77	2.77	7.25
Small Boat Exposure Hours (Dec. hours)	11.07	11.07	29.00
Fuel Usage (Cubic Metres)	6	16	171
* Exposure hours calculated at 12hrs per day per person.			

Navigation report submitted by Stephen Burt for Tuesday 04th November 2003

Resolved the streamer and lead-in problems and production commenced close inshore on line 1012 and the line was shot without incident.

A TS Dip was carried out in the prospect and the VP is 1503.93, the old VP was 1504.6. The old VP will be continued to be used as the change is minimal.

Configured the second MultiFix system to 3D mode and will compare this system against the height Aided systems as from Sequence 017 as an extra check on prime positioning systems. Please note the none of the reference stations have been mixed in the network solution, i.e. Thales SkyFix reference stations are in MultiFix and the Fugro StarFix reference stations in SeaDiff and MRDGPS only

Progress:

Shot to Sequence: #017 Processed to Sequence #016 QC'd to Sequence #016

NTBP Sequences:

001

Dead/Bad Units:

RGPS: - All pods are operational.

Acoustics - All pods are operational

Compasses – Operational, the following changes have been made recently:

Date	SEQ	REMARKS	New	Old
30-Oct-03	014	Changed S4C4	19565	11511
02-Nov-03	016	Changed S4C13	25214	22895
03-Nov-03	016	Changed S4C16	19497	25177

Regards,
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