

## DAILY OPERATIONS REPORT # 17

### ANTARES 3D MARINE SEISMIC SURVEY

<b>Contractor:</b>	PGS	<b>Vessel:</b>	Orient Explorer
<b>Woodside Reps:</b>	Ken Haig, Stephen Burt	<b>Party Chief:</b>	Stephen Beer
<b>WEL project Manager:</b>	Ralph Weiss	<b>Date:</b>	Sunday 02 <sup>nd</sup> Nov 2003

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#### 1. PRODUCTION SUMMARY

November 2nd, 2003

Seq	Line Name	Hdg	Line Type	Line Status	FcSP	LcSP	Ch Sailed
015	WO3ANT-1164P1	305.0	Prime	Completed	1860	893	18.15000
							Total 11/2/2003 :
							18.15000

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

##### Line Type Analysis

	Period	(%)	Survey	(%)
Prime	18.15000	100	456.52500	100
Total :	18.15000	100	456.52500	100

##### Line Charge Analysis

<u>Sailed Kms</u>	Period	(%)	Survey	(%)
Prime	18.15000	100	459.88125	100
Total :	18.15000	100	459.88125	100

<u>Charged Sailed Kms</u>	Period	(%)	Survey	(%)
Prime	18.15000	100	456.52500	100
Total :	18.15000	100	456.52500	100

<u>CMP Kms</u>	Period	(%)	Survey	(%)
Prime	145.20000	100	3,652.20000	100
Total :	145.20000	100	3,652.20000	100

<u>Square Kms</u>	Period	(%)	Survey	(%)
Prime	3.63000	100	91.30500	100
Total :	3.63000	100	91.30500	100

<u>Fullfold Sailed Kms</u>	Period	(%)	Survey	(%)
Prime	16.12500	100	430.20000	100
Total :	16.12500	100	430.20000	100

<u>Fullfold CMP Kms</u>	Period	(%)	Survey	(%)
Prime	129.00000	100	3,441.60000	100
Total :	129.00000	100	3,441.60000	100

<u>Fullfold Square Kms</u>	Period	(%)	Survey	(%)
Prime	3.22500	100	86.04000	100
Total :	3.22500	100	86.04000	100

<b>Time Activity Analysis</b>				
	<b>Period</b>	<b>(%)</b>	<b>Survey</b>	<b>(%)</b>
Recording	2.567	11	60.317	15
Line Change	2.250	9	28.550	7
Extended L/C	0.000	0	1.900	0
Weather	0.000	0	65.733	17
Instrument	0.000	0	0.450	0
Source	0.000	0	5.200	1
Streamer	19.183	80	19.183	5
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	18
Contractor	0.000	0	3.000	1
Mobilisation	0.000	0	136.000	34
<b>Total :</b>	<b>24.000</b>	<b>100</b>	<b>397.000</b>	<b>100</b>

<b>Time Cause/Reason Analysis</b>				
	<b>Period</b>	<b>(%)</b>	<b>Survey</b>	<b>(%)</b>
Production	4.817	20	88.867	22
Weather	0.000	0	65.733	17
Equip.Fail	19.183	80	25.333	6
MOB/DeMOB	0.000	0	140.250	35
Wside.Req	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
<b>Total :</b>	<b>24.000</b>	<b>100</b>	<b>397.000</b>	<b>100</b>

<b>Time Charge Analysis</b>				
	<b>Period</b>	<b>(%)</b>	<b>Survey</b>	<b>(%)</b>
Prime	2.567	11	60.317	15
Operations	2.250	9	28.550	7
Standby	0.000	0	103.583	26
Contractor	19.183	80	64.300	16
Mob/Demob	0.000	0	140.250	35
<b>Total :</b>	<b>24.000</b>	<b>100</b>	<b>397.000</b>	<b>100</b>

### 3. TIME SUMMARY

November 2nd, 2003

<b>Start</b>	<b>End</b>	<b>Hours</b>	<b>Description / Comments</b>	<b>Charge</b>
00:00	02:34	2.567	Production (Recording)	Prime
02:34	04:49	2.250	Production (Line Change) Nominal line change allowance.	Operations
04:49	24:00	19.183	Equip.Fail (Streamer) Recover source and front of streamer 4 for reballasting on depth controllers 3-7. Running deep down to 12 metres.	Contractor
	<b>Total :</b>	<b>24.000</b>		

**Chase/Supply Vessel Status:**

Southern Salvor on site. Perfect Lady came on to location early morning – reduced activities due to rough weather and large swells in the afternoon.

**Comments/Problems:**

On completion of line 1164 –recovered gun arrays and the front of streamer 4 for rebalancing. In general a poor day with the reballasting taking considerably more time than anticipated. A number of attempts have been made to correct ballast with reducing weights, then too shallow, adding weights, replacing one section which had some water ingress making it heavy.

**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 a period of weather standby. Soft start procedures for the source arrays are in place on all lines.

**Weather Comments:**

Start of the period conditions fair but deteriorated through the day. Swell built during the morning up to 3-4 metres again by early afternoon. Forecasts have predicted conditions will improve late Sunday for Monday and Tuesday..

**Close of the day and local time updates.**

Continue with ballasting and balancing at the head of streamer 4.

SEQ	COMMENTS
<b>016</b> <b>Dir 305°</b>	<b>W03ANT P1 SP</b> Data Tape Nos Weather: Winds knots , Sea and Swell: metres at times. Noise at SOL: B, EOL: $\mu$ B (6Hz lo-cut filter applied) Water Depth: SOL: m, EOL: m Feather at SOL: °, EOL : °, Max: ° Streamer Depth: 8.5 metres acceptable. <b>Noisy Traces: Nil logged –</b> Gun Volume SOL: 2500 , EOL: 2500. Guns sequence changed on SP ranges Gun edits logged : – 4 spread errors above 2ms SP Timing errors above 1.5ms: SP Missed Shots:

**HSE Daily Statistics - 02/11/2003****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:**

11:00 - 11:25 Fire Drill [FD]  
Conduct fire drill - all non-essential persons required to attend. Don and test fire fighting equipment and systems for both fire teams 1 and 2.

11:30 - 11:40 Toolbox Meeting/Debrief [TB]  
Debrief following fire drill exercise.

13:00 - 13:30 Safety Committee Meeting [SCM]  
Safety Committee Meeting with PC, Captain, Client reps and HSE Adviser.

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	0	3
Equipment Loss/Damage (ELD)	0	0	0
Non work related illness (NWR)	0	0	1
<b>Events</b>			
Stop Cards Issued ( )	0	0	8
Small Boat Launches ( )	0	0	2
Helicopter Landing/Takeoff (HL)	0	0	0
MOB Drill (MD)	0	0	0
Fire Drill (FD)	1	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)	1	1	1
HSE Audits/Inspections/Safety Checks (HSE)	0	0	5
Toolbox Meeting/Debrief (TB)	1	2	13
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	35	70	591
No. Seismic Crew	22	44	362
No. Contractors	3	6	51
No. Lost Time Injuries	0	0	0
Exposure Hours *	720	1440	12048
Small Boat Hours (Decimal hours)	0.00	0.00	4.48
Small Boat Exposure Hours (Dec. hours)	0.00	0.00	17.93
Fuel Usage (Cubic Metres)	5	10	165
* Exposure hours calculated at 12hrs per day per person.			

**Navigation report submitted by Stephen Burt for Sundau 02<sup>nd</sup> November 2003**

Production limited due to cable work on S4. Streamer separations between S2-S3 have been poor since recommencing production during Sequence 014 the average was 81m and 88m on the following sequence, the crew have been informed.

Bathy checks continue to be acceptable

**Progress:**

Shot to Sequence: #015 Processed to Sequence #015 QC'd to Sequence #015

**NTBP Sequences:**

001

**Dead/Bad Units:**

RGPS: - All pods are operational.

Acoustics - All pods are operational.

Compasses – Operational

Regards,

*Ken Haig and Stephen Burt*

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