

DAILY OPERATIONS REPORT # 17

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:	Sunday 02nd Nov 2003

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

Charged Sailed Kms

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

CMP Kms

	Period	(%)	Survey	(%)
Prime	145.20000	100	3,652.20000	100
Total :	145.20000	100	3,652.20000	100

Square Kms

	Period	(%)	Survey	(%)
Prime	3.63000	100	91.30500	100
Total :	3.63000	100	91.30500	100

Fullfold Sailed Kms

	Period	(%)	Survey	(%)
Prime	16.12500	100	430.20000	100
Total :	16.12500	100	430.20000	100

Fullfold CMP Kms

	Period	(%)	Survey	(%)
Prime	129.00000	100	3,441.60000	100
Total :	129.00000	100	3,441.60000	100

Fullfold Square Kms

	Period	(%)	Survey	(%)
Prime	3.22500	100	86.04000	100
Total :	3.22500	100	86.04000	100

<u>Time Activity Analysis</u>				
	Period	(%)	Survey	(%)
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
Total :	24.000	100	397.000	100

<u>Time Cause/Reason Analysis</u>				
	Period	(%)	Survey	(%)
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.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	397.000	100

<u>Time Charge Analysis</u>				
	Period	(%)	Survey	(%)
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
Total :	24.000	100	397.000	100

3. TIME SUMMARY

November 2nd, 2003

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

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
016 Dir 305°	W03ANT P1 SP Data Tape Nos Weather: Winds knots , Sea and Swell: metres at times. Noise at SOL: B, EOL: μ B (6Hz lo-cut filter applied) Water Depth: SOL: m, EOL: m Feather at SOL: °, EOL : °, Max: ° Streamer Depth: 8.5 metres acceptable. Noisy Traces: Nil logged – 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
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 ()	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
Totals			
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 02nd 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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