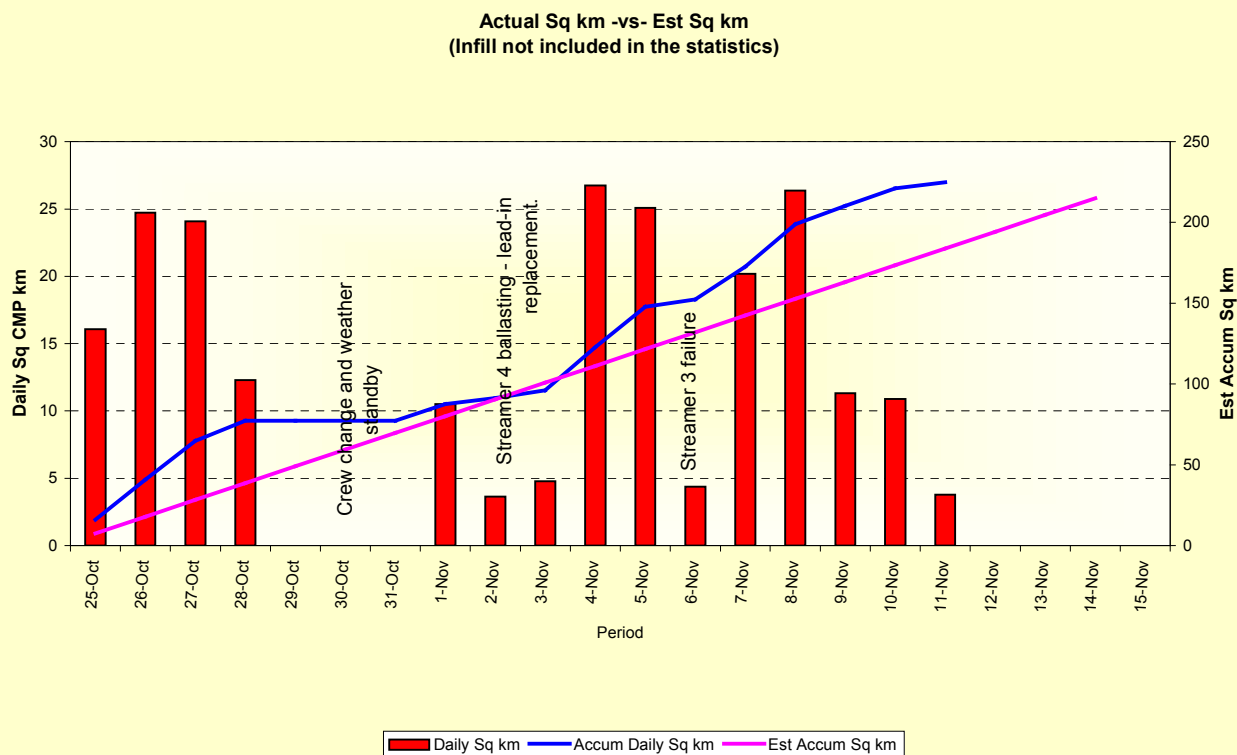


ANTARES 3D MARINE SEISMIC SURVEY

Vessel: Orient Explorer
Party Chief: E. Jettestad
Date: Tuesday 11th Nov 2003



November 11th, 2003

Seq	Line Name	Hdg	Line Type	Line Status	FcSP	LcSP	Ch Sailed
045	WO3ANT-1252P1	305.0	Prime	Completed	1568	893	12.67500
046	WO3ANT-1092P2	126.0	Prime	Completed	1001	1099	1.85625
047	WO3ANT-1092P3	125.0	N/C Reshoot	Completed	0	0	0.00000
048	WO3ANT-1252I1	305.0	Infill	Completed	2222	893	24.93750
049	WO3ANT-1060P2	305.0	Prime	Completed	1001	1230	4.31250
Total 11/11/2003 :							43.78125

2. STATISTICAL ANALYSIS (DECIMAL HOURS)

<u>Line Type Analysis</u>				
	Period	(%)	Survey	(%)
Prime	18.84375	43	1,124.08125	87
Infill	24.93750	57	164.60625	13
Infill (% of Prime)	132	-	15	-
Total :	43.78125	100	1,288.68750	100

<u>Line Charge Analysis</u>				
<u>Sailed Kms</u>	Period	(%)	Survey	(%)
Prime	18.84375	41	1,131.75000	86
Infill	24.93750	54	166.35000	13
Infill (% of Prime)	132	-	15	-
N/C Reshoot	2.23125	5	14.58750	1
Total :	46.01250	100	1,312.68750	100

<u>Charged Sailed Kms</u>	Period	(%)	Survey	(%)
Prime	18.84375	43	1,124.08125	87
Infill	24.93750	57	164.60625	13
Infill (% of Prime)	132	-	15	-
Total :	43.78125	100	1,288.68750	100

<u>CMP Kms</u>	Period	(%)	Survey	(%)
Prime	150.75000	43	8,992.65000	87
Infill	199.50000	57	1,316.85000	13
Infill (% of Prime)	132	-	15	-
Total :	350.25000	100	10,309.50000	100

<u>Square Kms</u>	Period	(%)	Survey	(%)
Prime	3.76875	43	224.81625	87
Infill	4.98750	57	32.92125	13
Infill (% of Prime)	132	-	15	-
Total :	8.75625	100	257.73750	100

<u>Fullfold Sailed Kms</u>	Period	(%)	Survey	(%)
Prime	16.81875	42	1,057.25625	87
Infill	22.91250	58	154.48125	13
Infill (% of Prime)	136	-	15	-
Total :	39.73125	100	1,211.73750	100

<u>Fullfold CMP Kms</u>	Period	(%)	Survey	(%)
Prime	134.55000	42	8,458.05000	87
Infill	183.30000	58	1,236.45000	13
Infill (% of Prime)	136	-	15	-
Total :	317.85000	100	9,694.50000	100

<u>Fullfold Square Kms</u>	Period	(%)	Survey	(%)
Prime	3.36375	42	211.45125	87
Infill	4.58250	58	30.91125	13
Infill (% of Prime)	136	-	15	-
Total :	7.94625	100	242.36250	100

Time Activity Analysis

	Period	(%)	Survey	(%)
Recording	2.083	9	145.467	24
Line Change	4.367	18	70.500	12
Extended L/C	0.000	0	1.900	0
Weather	0.000	0	65.733	11
Fishing Activity	2.250	9	2.250	0
Instrument	2.850	12	15.750	3
Source	0.000	0	7.950	1
Streamer	0.000	0	48.983	8
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	12
Contractor	0.000	0	3.000	0
Mobilisation	0.000	0	136.000	22
Demobilisation	7.383	31	7.383	1
Infill L/C	1.967	8	10.500	2
Infill	3.100	13	20.917	3
Total :	24.000	100	613.000	100

Time Cause/Reason Analysis

	Period	(%)	Survey	(%)
Production	6.450	27	215.967	35
Infill	5.067	21	31.417	5
Weather	0.000	0	65.733	11
Equip.Fail	2.850	12	73.183	12
MOB/DeMOB	7.383	31	147.633	24
Wside.Req	0.000	0	35.950	6
Crew Change	0.000	0	35.967	6
PGS	0.000	0	3.000	0
Fishing Int	2.250	9	2.250	0
Survey Shape	0.000	0	1.900	0
Total :	24.000	100	613.000	100

Time Charge Analysis

	Period	(%)	Survey	(%)
Prime	2.083	9	145.467	24
Operations	4.367	18	70.500	12
Standby	2.250	9	105.833	17
Contractor	2.850	12	112.150	18
Mob/Demob	7.383	31	147.633	24
Infill/Stby	5.067	21	31.417	5
Total :	24.000	100	613.000	100

3. TIME SUMMARY

November 11th, 2003

Start	End	Hours	Description / Comments	Charge
00:00	01:31	1.517	Seq 045 : Line WO3ANT-1252P1	Prime
01:31	03:35	2.067	Production (Line Change)	Operations
03:35	03:48	0.217	Seq 046 : Line WO3ANT-1092P2	Contractor
			Reshoot SOL due to instrument problems on the first attempt. Missed the original SOL due to a Syntrak lock-up. Now complete.	
03:48	06:06	2.300	Production (Line Change)	Operations
			Line change after reshoot due to Syntrak problems.	
06:06	06:19	0.217	Equip.Fail (Instrument)	Contractor
			Reshoot of data not recorded during original sequence 014 - Syntrak crash.	
06:19	08:44	2.417	Equip.Fail (Instrument)	Contractor
			Line change after reshoot caused by Syntrak failure - PGS account.	
08:44	10:59	2.250	Fishing Int (Fishing Activity)	Standby
			Circle prior to the SOL 1252 infill due to fishing activity and shark nets on the line location. The name of the vessel is 'Farmor'.	
10:59	14:05	3.100	Seq 048 : Line WO3ANT-1252I1	Infill/Stby
			Acquire final infill pass	
14:05	16:03	1.967	Infill (Infill L/C)	Infill/Stby
16:03	16:37	0.567	Seq 049 : Line WO3ANT-1060P2	Prime
			Last line of acquisition of the Antares survey.	
16:37	24:00	7.383	MOB/DeMOB (Demobilisation)	Mob/Demob
			Commence recovery of 3 streamers.	
Total : 24.000				

Chase/Supply Vessel Status:

Southern Salvor on site. Perfect Lady off charter

Comments/Problems:

Continue with acquisition of final prime, infill and reshoot data. Complete acquisition and start recovery of three streamers and prepare for SANTOS survey

Semac-1

Continues to move away from Port Campbell

Cetacean Report:

No sightings reported.

Weather Comments:

Winds increasing and gusting up to 20 knots, sea and swell 2 metres and appear to be increasing.

Fishing Activity

Forced to circle on the final infill line as the shark fishing boat 'Formor' had laid his nets very close to the line during the night and would not commence recovery till 08:00 hours in the morning. Again this vessel was not particularly co-operative and a report had been lodged by the Bridge crew.

Finally complete all infill and forwarded coverage plots for inspection.

Seq 045 305°	W03ANT1252 P1 SP 2265 - 893 Complete Data Tape Nos 35772 – 35774 Weather: Winds 8 knots , Sea and Swell: 1.5 to 2.0 metres at times. Noise at SOL: 4-5µB, EOL: 4-5µB (6Hz lo-cut filter applied) Water Depth: SOL: 45.2m, EOL: 41.0 m Feather at SOL: 0.0°, EOL : -0.9°, Max: -3.0 ° Streamer Depth: 8 metres - acceptable. Noisy Channel: 300, 123, 299, 312 Gun Volume SOL: 2500 , EOL: 2500. Timing errors above 1.5ms and Spread Errors: SP 2253 Bad Data Records: 2240 (to be checked and confirmed acceptable)
Seq 047 Dir 125°	W03ANT 1092 P2 SP 1001 -1109 Reshoot – now complete Data Tape Nos 35776 – 35776 Weather: Winds 8 knots , Sea and Swell: 1.5 metres at times. Noise at SOL: 4-5µB, EOL: 4-5µB (6Hz lo-cut filter applied) Water Depth: SOL: 38m, EOL: 37.9 m Feather at SOL: 0.7°, EOL : 1.0°, Max: 1.0 ° Streamer Depth: 8 metres - acceptable. Gun Volume SOL: 2500 , EOL: 2500. Timing errors above 1.5ms/Misfires/Delta Spread Errors above 2.1ms: NIL No data records: (to be confirmed by OBP QC)
Seq 048 305°	W03ANT1252 I1 SP - 2319 - 893 Complete Data Tape Nos 35777 – 35779 Weather: Winds 12 knots , Sea and Swell: 1.5 metres at times. Noise at SOL: 4-5µB, EOL: 4-5µB (6Hz lo-cut filter applied) Water Depth: SOL: 46.3m, EOL: 42.8 m Feather at SOL: 2.7°, EOL : 1.8°, Max: 3.6 ° Streamer Depth: 8 metres - acceptable. Noisy Channel: 300, 123, 299, 312 Gun Volume SOL: 2500 , EOL: 2500. Timing errors above 1.5ms and Spread Errors: SP 2104, 1835, 1731, 1541,.
Seq 049 125°	W03ANT1060 P2 SP 1001 - 1240 Reshoot – Now Complete Data Tape Nos 35780 – 35780 Weather: Winds 10-15 knots , Sea and Swell: 1.5 to 2.25 metres at times. Noise at SOL: 5µB, EOL: 4-6µB (6Hz lo-cut filter applied) Water Depth: SOL: 35.1m, EOL: 33.2 m Feather at SOL: 0.0°, EOL : 0.5°, Max: 0.6 ° Streamer Depth: 8 metres - acceptable. Noisy Channel: 300, 123, 299, 312 Gun Volume SOL: 2500 , EOL: 2500. SP 1188-1189 guns firing out of sequence

HSE Daily Statistics - 11/11/2003

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:

Nothing To Report

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	24	25
Positive Observation (PO)	0	0	0
Equipment Loss/Damage (ELD)	0	0	0
Non work related illness (NWR)	0	0	1
Events			
Stop Cards Issued ()	0	28	35
Small Boat Launches ()	0	7	9
Helicopter Landing/Takeoff (HL)	0	0	0
MOB Drill (MD)	0	0	0
Fire Drill (FD)	0	2	2
Emergency Boat /Towing Drill (EBD)	0	1	8
Safety Meeting (SM)	0	1	3
HSE Induction-Inspection (IT)	0	1	4
Safety Committee Meeting (SCM)	0	1	1
Audit/Inspection/Training/Safety . (HSE)	0	6	11
Toolbox Meeting/Debrief (TB)	0	10	21
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	32	382	903
No. Seismic Crew	22	242	560
No. Contractors	3	33	78
No. Lost Time Injuries	0	0	0
Exposure Hours *	684	7884	18492
Small Boat Hours (Decimal hours)	0.00	6.67	11.15
Small Boat Exposure Hours (Dec. hours)	0.00	26.67	44.60
Fuel Usage (Cubic Metres)	7	137.08	292.08
* Exposure hours calculated at 12hrs per day per person.			

Navigation report submitted by Stephen Burt.

Navigation Report:

Complete the survey today the final passes were shot without incident and data quality was good.

Progress

Shot to sequence Number 49, Processed to Sequence 049. QC'd to sequence 049. Final coverage plots being prepared on Census and a data shipment will be made with off-going personnel.

NTBP Sequences

001 and 027

Regards,

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