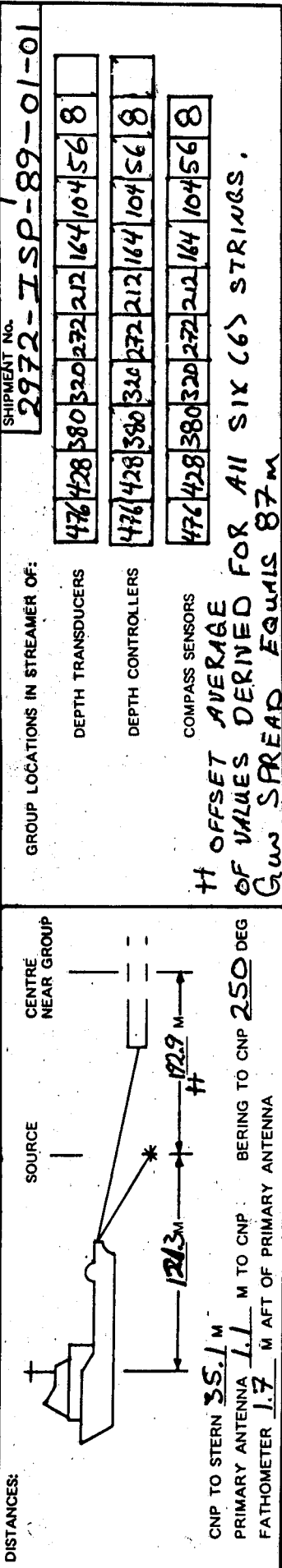


TITAN 1000 MARINE SEISMIC OBSERVER'S DATA FOR PROSPECT PAGES 1 TO 5

CLIENT: **F.S.P.G.** PROSPECT: **Herschel West** VESSEL: **M/V E.O. Vetter** PARTY NO.: **2972**
 LINE NO.: **ISPG2D** LINE ID: **20004** DIRN: **Beam East Sea** DATE: **MO 9 DAY 23 YR 89** PARTY MANAGER: **Wayne Nowak**
 SHIPMENT NO.: **2972-ISP-89-01-01**



DISTANCES:
 GROUP LOCATIONS IN STREAMER OF:
 DEPTH TRANSDUCERS
 DEPTH CONTROLLERS
 COMPASS SENSORS

REMARKS:
 (eg. Line Status, Overlay Diagram, Bad Traces, Excess Noise, Etc.)
DIGI COURSE SMART Bnds (396)
HAVE COMPASS, DEPTH TRANSDUCER,
AND CABLE LEVELER IN ONE UNIT.

RECORDING PARAMETERS:
 INSTRUMENT TYPE = **FCS (TITAN 1000)**
 S/N = **5**
 FILTER SETTINGS: HI **64** HZ. SLOPE **72** DB/OCT
 LO **8** HZ. SLOPE **18** DB/OCT
 PREAMPLIFIER GAIN: HI **12** DB
 SAMPLE RATE: **4** MS
 RECORD LENGTH: **16** SECS
 TAPE FORMAT: SEG **P** GAPPED
 PACKING DENSITY: **6250 BPI**

BYTES IN HEADER: **3456**
 EXTENDED HEADER USED: YES NO
 DELAY RECORD MODULE USED: **0** SECS
 TAPE LENGTH: **3600** FT.
 REVERSED TRACES (IN TSRI): **NONE**
 GAIN MODE: **FIXED** (FLOAT)
 TIMEBREAK WINDOW: **N/A** MS

POLARITY: POSITIVE PRESSURE ON PHONE GIVES
 NEGATIVE UPBREAK ON
 POSITIVE NO. ON TAPE DOWNBREAK DISPLAY
 CAMERA DISPLAY METHOD: **Digital 480T**
 SINGLE TRACE DISPLAY SOURCE: **480**

LINE STATUS:
 PROC/COMPLETE - DNP - HOLD - DRESH - UNDS
 FSP = **101** FRN = **101**
 LSP = **104** LRN = **103**
 TOT BPS = **1004** TOT RNS = **1003**

BAD RECORDS: **18**
 DEAD TRACES: **438**
 NOISY TRACES: **438**
 TAPES USED: **2**

SOURCE DETAILS:
 SOURCE TYPE AND SIZE: **PNA CON 7200** M
 SOURCE DEPTH: **7** M
 AIRGUN PRESSURE: **2000** PSI
 SOURCE FIRING DELAY: **5/2** MS
 STREAMER TYPE: **OFB3** **4807**
 CABLE DETAILS:
 NUMBER OF GROUPS: **480**
 GROUP LENGTH: **6.25** M
 NUMBER OF PHONES/GROUP: **16**
 TARGET STREAMER DEPTH: **12** M
 STREAMER LENGTH (CENTRE NEAR GP TO CENTRE FAR GP): **2962.5** M
 GROUP CHARGE SENSITIVITY: **53.4** V/V_{Bar}
 NUMBER OF SEMS: **40**
 NUMBER OF SEMS IN USE: **40**
 LENGTH OF EACH STRETCH SECTION: **50** M
 NUMBER OF STRETCHES IN FRONT END: **4**
 NUMBER OF REPEATERS IN USE: **4**
 FOLD COVERAGE: **3000**
 SHOT INTERVAL: **50** M
 NOISE DETAILS:
 EOL: **2.2224** dB
 EOL: **7.774** dB



MARINE SEISMIC OBSERVER'S LOG

DATE MO 9 DAY 23 YR 89
 MV EDWARD O. VETTER
 DUAL STREAMER SPREAD M

PAGE 2 OF 5
 PARTY 2972
 OBSERVER BOB SNELLINGS



CLIENT I.S.P.G.
 LINE NO. 1SPG 2D

PROSPECT HERSCHEL West
 LINE ID# 20004

AREA BEAUFORT SEA
 DIR/N 199.2°

REEL NUMBER	TXP	SHOTPT	RECORD NUMBER	TIME (GMT)	WATER DEPTH METERS	STREAMER DEPTH IN METERS										BAD RECORDS				REMARKS											
						10	9	8	7	6	5	4	3	2	1	NS	Other	MSP	AF		INST	F.A.									
302541	0	-	100																											Noise Test	
		101	101	1937	46	11.3	11.9	11.9	11.9	11.9	11.2	11.9	11.6	11.9	11.6															BoL	
		105	-1																											DCE 999	
		106	-1																											" "	
		114	-1																											AF - Gun # 9	
		130	-1																											AF - Gun # 9	
		135	-1																											AF - Gun # 29	
		136	-1																											AF - Gun # 29	
		139	139																											EOT	
302542	1	140	140	1950	49	11.9	11.2	11.9	11.9	11.6	11.6	11.6	11.9	11.6	11.6	11.2	11.9	11.9													5.2 BOT
		153	-1																												AF - Gun # 26
		154	-1																												AF - Gun # 26
		155	-1																												AF - Gun # 26
		156	-1																												AF - Gun # 26
		179	179																												EOT
302543	2	180	180	2005	55	12.2	11.2	11.6	11.6	11.6	11.9	11.9	11.9	11.6	11.9	11.2	11.6	11.9													5.3 BOT
		219	219																												EOT
302544	0	220	220	2019	56	11.3	11.6	11.6	11.6	11.9	11.9	12.2	12.2	11.9	11.9																BOT
		248	-1																												AF - Gun # 50
		249	-1																												AF - Gun # 50
		259	259																												EOT

MARINE SEISMIC OBSERVER'S LOG



CLIENT **1.S.P.G.**
 LINE No. **1SPG2D**

PROSPECT **HERSCHEL WEST**
 AREA **BEAUFORT SEA**
 DIR'N **199.2°**

DATE **MO 9 DAY 23 YR 89**
 PARTY **EDWARD D. VETTER**
 OBSERVER **PRB SNELLING**

PAGE **3** OF **5**

REEL NUMBER	TXP	SHOTPT	RECORD NUMBER	TIME (GMT)	WATER DEPTH METERS	STREAMER DEPTH IN METERS										REMARKS	
						10	9	8	7	6	5	4	3	2	1		
302545	1	260	260	2033	53	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.3	11.6		4.4	BOT
		287	-														AF - Gun 40
		299	299														EOT
302546	2	300	300	2047	53	12.2	11.9	11.9	11.9	11.9	11.9	11.9	11.6	11.9		3.7	BOT
		339	339														EOT
302547	0	340	340	2101	51	12.5	12.2	11.9	11.6	11.6	11.6	11.9	11.6	11.9		3.3	BOT
		344	-														AF - Gun 1
		379	379														EOT
302548	1	380	380	2115	50	12.2	11.9	11.9	11.9	11.9	12.2	11.9	11.9	11.9		3.2	BOT
		411	-														AF - Gun 38
		419	419														EOT
302549	2	420	420	2130	48	12.2	12.8	12.2	11.9	11.6	11.6	11.9	11.9	11.9		3.5	BOT
		435	-														AF - Gun 1
		459	459														EOT
302550	0	460	460	2143	46	13.1	13.1	12.5	11.9	11.6	11.9	11.6	11.9	11.6		2.9	BOT
		499	499														EOT
302551	1	500	500	2158	44	11.9	12.2	11.9	11.6	11.9	11.6	11.9	11.9	11.6		3.3	BOT
		539	539														EOT
302552	2	540	540	2212	41	12.2	12.2	11.6	11.9	11.6	11.6	11.9	11.9	11.6		2.5	BOT
		579	579														EOT
302553	0	580	580	2227	40	11.6	12.2	11.6	11.6	11.9	11.9	11.6	11.6	11.9		3.4	BOT

Client: I.S.P.G. Prospect: HERSCHEL WEST Vessel: m/v E.O VETTER

Date: 8/09/23 Julian Day: 266 Shipment # 2972-ISP-89-01-01

BOL: ISPG 20 Time (GMT): 19:36 CMS ID#: 20004

Record Length: 16 seconds Shot point interval: 50 meters

FSP: 101 FRN: 101 Speed: 4.6 knts Water Depth: 46.5 m

Direction: 199.2°T Heading: 184.5

Feather Angle: 349 degrees Ave. Cable Noise: 2.22 uB

Bad Traces: 438

Cable Depths At BOL:

10 <u>11.6</u>	9 <u>11.9</u>	8 <u>11.6</u>	7 <u>11.6</u>	6 <u>11.9</u>	5 <u>11.6</u>	4 <u>11.9</u>	3 <u>12.2</u>	2 <u>11.9</u>	1 <u>11.6</u>
----------------	---------------	---------------	---------------	---------------	---------------	---------------	---------------	---------------	---------------

Offset: 192.9 Meters (Centre Source to Center Near Group)

Weather Conditions> Wind: ExS 17 knts. Seas: 4-5 ft.

Spread: 87 Meters

Gun Status Array Volume: 7040 cu.in. Array Pressure: 1950 p.s.i

Gun Off	<u>13</u>	<u>53</u>	<u>15</u>	<u>56</u>														
Gun On	<u>ISA</u>		<u>ch 61</u>	<u>ch 64</u>														
			<u>15</u>	<u>56</u>														

Navigation Primary: Hybrid Secondary: _____

Syledis Herschel Garry Pitt Komakuk

Argo Monument Garry W King

Coordinates at BOL: 070 04 59.92 N
140 19 59.40 W

Comments:

GMT	SP#	Comments
19:36	101	BOL, FRW:101, WD:46.5m, vol:7040 m ³
	105	DCE 999
	106	DCE -999
	114	A/F gun #9
	130	A/F gun #9
	135	A/F gun #39
	136	A/F gun #39, gun #39 off, vol:6960 m ³
	153	A/F gun #26
	154	A/F gun #26
	155	A/F gun #26
	156	A/F gun #26, gun #26 off, vol:6880 m ³
	163	gun 25A on, channel 26, vol:6960 m ³
	248	A/F gun #50
	249	A/F gun #50, gun #50 off, vol:6880 m ³
	287	A/F gun #40
	293	gun #40 off N/F, vol:6800 m ³
	344	A/F gun #1
	349	gun #1 off N/F, vol:6640 m ³
	352	gun #5A on, channel 1, vol:6800 m ³
	411	A/F gun #38
	435	A/F gun #1
	440	gun #1 off N/F, vol:6640 m ³
22:28	581	scale change on fathometer 0-50m
	606	MSP
	623	gun #4 off N/F, vol:6480 m ³
	635	gun #5A on, channel 53, vol:6640 m ³
22:56	658	REC#657 on line Noise Strip

Client: I.S.P.G. Prospect: HERSCHEL WEST Vessel: m/v E.O VETTER

Date: 89/09/24 Julian Day: 267 Shipment # 2972-ISP-89-01-01

EOL: ISPG 2D Time (GMT): 01:39 CMS ID#: 20004

Record Length: 16 seconds Shot point interval: 50 meters

LSP: 1104 LRN: 1103 Speed: 4.3 knts Water Depth: 202 m

Direction: 199.2°^T Heading: 179

Feather Angle: 2.4^S degrees Ave. Cable Noise: 177 uB

Bad Traces: 438

Cable Depths At EOL:

10	<u>11.9</u>	9	<u>11.9</u>	8	<u>11.3</u>	7	<u>11.6</u>	6	<u>11.6</u>	5	<u>11.6</u>	4	<u>11.9</u>	3	<u>19.9</u>	2	<u>11.3</u>	1	<u>11.6</u>
----	-------------	---	-------------	---	-------------	---	-------------	---	-------------	---	-------------	---	-------------	---	-------------	---	-------------	---	-------------

Offset: 192.9°^T Meters (Centre Source to Center Near Group)

Weather Conditions> Wind: ESE 27 knts. Seas: 5-6 ft.

Spread: 87 Meters

Gun Status Array Volume: 6640 cu.in. Array Pressure: 1900 p.s.i

Gun Off	1	4	13	15	26	39	40	45	53	56								
Gun On	1		ch13 15A	ch61 15	ch26 25A			ch45 45A	ch53 53A	ch64 56								

Navigation Primary: Hybrid Secondary: _____

Syledis Herschel Garry Pitt Komakuk

Argo Monument Garry W King

Coordinates at EOL: 069 39 30.11 N
140 45 28.97 W

Comments: Terminated due to shallow water