U.S. GEOLOGICAL SURVEY

DFS V LOG

VESSEL Balkash CRUISE NO. Balk 92-1 DATE 8-25-92

1

SHOT INTERVAL (DISTANCE) _____ m OR TIME 27 @ _____ sec.

OFFSET 495 m PRIME NAVIGATION GPS

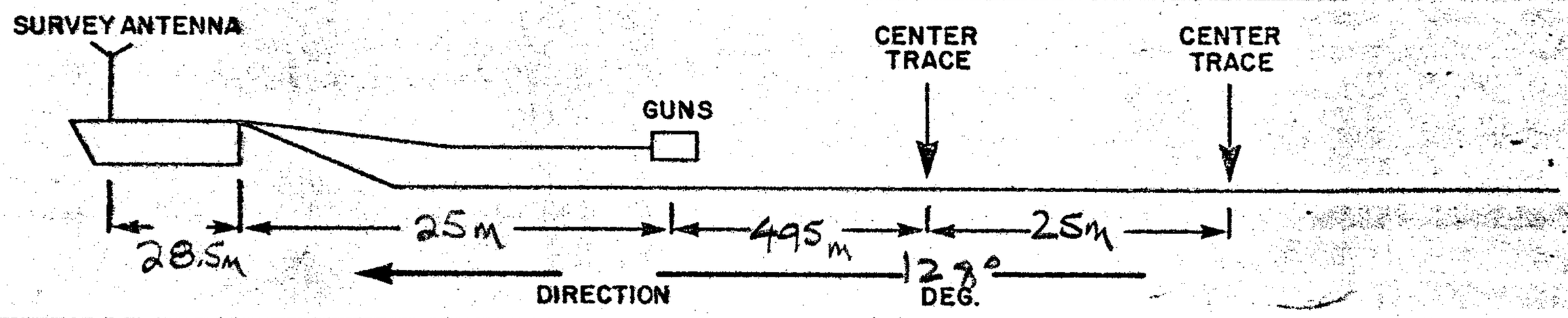
LINE NO. 1-2 DIR. ____ DEG. CABLE TYPE 96 Trace

LOCATION Southern Basin TRACE INT. 25 meter

SAMPLE RATE 4 MS. BPI 1600 SEG B FORMAT —

RECORD LENGTH 7 sec / 85k EXTENDED HEADER START WORD —

SOUND SOURCE 1650 cu. in. @ 2000 psi @ 6 depth (m)



RECORD				REPRODUCE				
INPUT GAIN (1000 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / (TFP)	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE
36dB	5/18	64		5	64	2	2	AGC

DECK NO.	REEL NO.	CONSTANTS DAY NO.	CONSTANTS LINE NO.	CONSTANTS DIR. DEG.	FILE NO. FROM	FILE NO. TO	SP NO. FROM	SP NO. TO	TIME START	TIME FINISH
2	1	9/25-92			1	28	NO EOF		13:35:40	13:47
1	2				29	108			13:47	14:23
2	3				109	191			14:23	15:00
1	4				192	273			15:00	15:39
2	5				274	356			15:39	16:13
1	6				357	438			16:13	16:50
2	7				439	521			16:50	17:28
1	8	End of Line 2			522	559			17:28	17:44
1	8	Start of Line 2			1	44			19:20	19:39
2	9	Begin with High			45	127			19:39	20:17
1	10	Hydrophone work. Low			128	209			20:17	20:54
2	11	High			210	292			20:54	21:32
	12	Bad Tape			293					
2	13				305	387			21:39	22:15
1	14				388	469			22:15	22:51
2	15				470	552			22:51	23:28

U.S. GEOLOGICAL SURVEY

DFS V LOG

VESSEL Balkash CRUISE NO. BA1-92-1 DATE 8-26

3

SHOT INTERVAL (DISTANCE) _____ m OR TIME 25-27 sec.

OFFSET 495 m PRIME NAVIGATION GPS

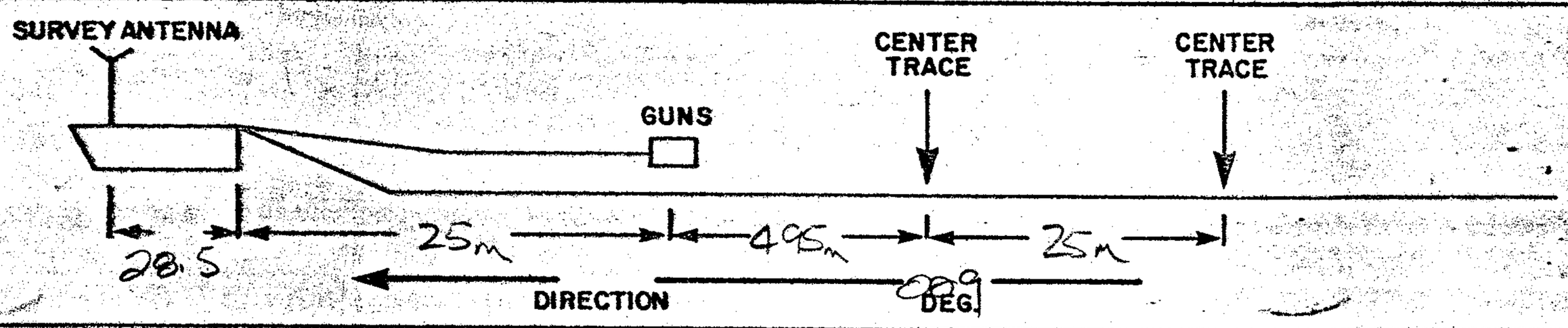
LINE NO. 2 DIR. 009 DEG. CABLE TYPE 96 Trace 25m groups

LOCATION Southern Basin TRACE INT. 25m

SAMPLE RATE 4 MS. BPI 1600 SEG B FORMAT —

RECORD LENGTH 8 sec / no delay EXTENDED HEADER START WORD —

SOUND SOURCE 1650 cu. in. @ 2000 psi @ 6 depth (m)



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE
36 dB	5/18	64		5	64	2	2	AGC

DECK NO.	REEL NO.	CONSTANTS DAY NO.	CONSTANTS LINE NO.	CONSTANTS DIR. DEG.	FILE NO. FROM	FILE NO. TO	SP NO. FROM	SP NO. TO	TIME START	TIME FINISH
1	16	8/25/92	2	009	553	634			2328	0000
2	17	8/26/92			635	643			0000	0003

OBSERVER'S MARINE REPORT

VESSEL Bolkoski DATE 8-25-92 #2

Client USGS/ Type instrument DFS II Offset distance 495m

Area Southern Basin Record filter 5-64 Hz Group interval 25m

State Siberia Russia Sample rate 4ms Fold coverage 24 maybe

Observer Nichols gun depth 6m in.³ of guns 1650

Pre-plot	Shotpoint	File No.	Time	#1 dir.	Cable Depth	W.D.	Reel No.	Line No.	Remarks
Time is GMT.		1	1335	128	8888888	1500m	1	1	TAPE # 1 Shots
		59	1400				2		Excess Prof. Ferr-05.
		92	1415		9999999				Chan. to Tape 2
		125	1430	108°		1491	3		
		159	1445	109°		1489	3		PE #3 Tape 144, 155, 156
		192	500	110°		1489	4		PE #4
Air Gun		237	1518	134°		1499	4		
at pr. 1		258	1530	123°		1501	4		
3 guns @		292	15:45	126°		1503	5		PE#5 274 275 276
1237 cu.in.		326	16:00	108°		1503	5		318
Gun 8 & 10		363	16:15	131		1503	6		PE#6 437 458
out.		392	16:30	118°		1503	6		
		425	16:45	113°		1501	6		
		459	17:00	96°		1494	7		PE#7 443 446 451 441
		492	17:15	115°		1472	7		454 465 475 478
		525	17:30	101°		1445	8		PE#8
		559	17:44	108°		979	8		Missed shot 555
		End of Line 1							
		Start of Line 2							PE#9 1
		1	19:20	65		1467	8		
		20	19:31	65°		919			
		91	20:00	65°		1463	9		
		124	2015			1463	9		
		157	2030			1463	10		
		161	2032			1[illegible]		V=4.0	изменение скорости судна
		190	2045			1450			Регулирование курсы
		217					11		PE#11 217 235, 254
		223	21:00						
		258	21:15			1408	11		
		290	2130			1426	11		
		[illegible]	[illegible]			1355	12		PE 293
		353	2200			1355	13		
		395	22:19			1169	14		
		420	2230	006		1220	14		
		452	2245	351		1256	14		
							14		#455 повторный залпе
							15		#470 472 488

OBSERVER'S MARINE REPORT

VESSEL Balkash DATE 8-25-92 #4

Client USGS | Type instrument DFST | Offset distance 495 m

Area S. BASIN | Record filter 5 - 64 Hz | Group interval 25 m

State | Sample rate 4 ms | Fold coverage 24 Maybe

Observer Nichols | gun depth 6 m | in.^{3} of guns

Pre-plot	Shotpoint	File No.	Time	#1 dir.	Cable Depth	W.D.	Reel No.	Line No.	Remarks
8 guns @		523	2315	009	999 101214	1241	15	2	Nichols on watch 2200.
1237 cu in									Guns 8 & 10 OUT
		558	2318	353		1233	16		
		593	2345	340	9999589	1209	16		
		618							MISFIRE
		619 to							MISFIRE
		625							MISFIRE
		629							MISFIRE
		632							MISFIRE
		634	0000	007	882 48	1125	17		
		643	0003			1009	17		EOL 2