# U.S. GEOLOGICAL SURVEY

## DFS V LOG

64

VESSEL Balkhash CRUISE NO. BAIK92-2 DATE 9/14/92

SHOT INTERVAL (DISTANCE) _____ m OR TIME 2 sec.

OFFSET 400 m PRIME NAVIGATION GPS

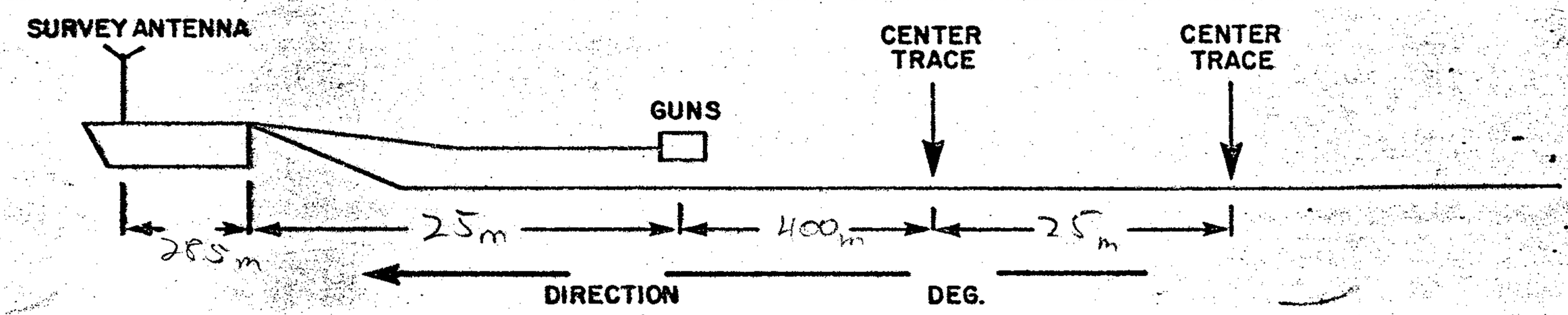
LINE NO. 21 DIR. ____ DEG. CABLE TYPE 96 trace

LOCATION Baikal Central Basin TRACE INT. 25m

SAMPLE RATE 4 MS. BPI 1600 SEG B FORMAT ✓

RECORD LENGTH 9 EXTENDED HEADER START WORD ✓

SOUND SOURCE 1435 cu. in. @ 2000 psi @ 6 depth (m)




| RECORD | | | | REPRODUCE | | | | |
|---|---|---|---|---|---|---|---|---|
| INPUT GAIN (300 OHM IMP) | FILTERS LO/SLOPE | FILTERS HI | MAN / IFP | FILTERS LO | FILTERS HI | TRIP SENSE | INITIAL GAIN | MODE |
| 36 dB | 5/15 | 64 | | 5 | 64 | 3 | 3 | 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 | 303 | 257 | 0021 | | 1 | 73 | | | 1651 | 1721 |
| 2 | 304 | | | | 74 | 88 | | | 1727 | 1727 |
| 1 | 305 | | | | 89 | 161 | | | 1722 | 1756 |
| 2 | 306 | | | | 162 | 182 | | | 1756 | 1805 |
| 1 | 307 | | | | 183 | 255 | | | 1805 | 1835 |
| 1 | 308 | | | | 256 | 328 | | | 1835 | 19:04 |
| 1 | 309 | | | | 329 | 401 | | | 19:06 | 19:36 |
| 2 | 310 | | | | 402 | 475 | | | 19:36 | 20:05 |
| 1 | 311 | | | | 476 | 548 | | | 20:05 | 20:34 |
| 2 | 312 | | | | 549 | 554 | | | 20:34 | 20:37 |
| 1 | 313 | | | | 555 | 627 | | | 20:37 | 21:06 |
| 1 | 314 | | | | 628 | 700 | | | 21:08 | 21:37 |
| 1 | 315 | | | | 701 | 773 | | | 21:38 | 22:07 |
| 1 | 316 | | | | 774 | 839 | | | 22:09 | 22:35 |
| | | | | | | | | | | |
| | | | | | end | of | line | 21 | | |

# OBSERVER'S MARINE REPORT

VESSEL Garbage Scow Ballast DATE 9/17/92 # 65

| | | | | | |
|---|---|---|---|---|---|
| Client | USGS | Type instrument | DFS-V | Offset distance | 4000 m |
| Area | Baikal | Record filter | 5-64 Hz | Group interval | 25 m |
| State | Central Basin | Sample rate | 4 ms | Fold coverage | 24 |
| Observer | Unger/Gray/Nichols | gun depth | 6 m | in.$^3$ of guns | 1435 |

| Pre-plot | Shotpoint | File No. | Time | #1 dir. | Cable Depth | W.D. | Reel No. | Line No. | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| Picture | | 1 | 1651 | 180 | | 680 | 303 | 21 | SOL 21 9 guns no #10 |
| | | 23 | 1700 | | | 664 | 303 | | 1-4 missed Bad Triggerbox |
| | | 60 | 1715 | 177 | 9-11-8 | 692 | 303 | | |
| | | 97 | 1730 | 181 | 10 13 15 | 693 | 305 | | 74-88 PE R-1 R |
| | | 142 | 1748 | 177 | | 644 | 305 | | |
| | | 172 | 1800 | 175 | | | | | PE 162-182 |
| | | 210 | 1815 | 177 | 11 72-8 | 545 | | | |
| 1370 | | 248 | 1830 | 175 | 11 -14-16 | 526 | | | |
| | | 283 | 1845 | 171 | | 528 | | | |
| | | 319 | 19:00 | 175 | | 500 | 308 | | |
| | | 354 | 19:16 | 170 | | 449 | | | |
| | | 394 | 19:32 | 171 | | 305 | | | |
| | | 428 | 19:45 | 174 | | 322 | | | |
| | | 463 | 20:00 | 178 | | 330 | | | |
| | | 501 | 20:15 | 167 | | 304 | | | |
| | | 538 | 20:30 | 178 | | 417 | | | |
| | | 578 | 20:45 | 176 | | 603 | 312 | | PE 549-554 |
| | | 612 | 21:00 | 183 | | 740 | | | |
| | | 648 | 21:15 | 176 | | 733 | | | |
| | | 697 | 21:35 | 173 | | 1487 | | | |
| | | | 21:45 | 168 | | 1679 | | | |
| | | 754 | 22:00 | 169 | | 1698 | | | |
| | | 788 | 22:15 | 172 | | 1696 | | | |
| | | 826 | 22:30 | 165 | | 1673 | 316 | | DE 829 830 831 |
| | | | | | | | | | 833 834 835 836 |
| | | | | | | | | | 837 838 839 |
| | | 839 | 22:35 | end of line 21 | | | | | |