OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, $300

INT-413

830130b14

Gyre 83-14 / Mattrick
Line GMT-1

DFS V Log Sheets

1 OF 4

83-14
GYRE 103583
83013

envelope

Gyre 83-[illegible] / Mattick

Line GMT-1

DFSV Log Sheets

U.S. GEOLOGICAL SURVEY

8301306 4

DFS V LOG

VESSEL R/V Gyre CRUISE NO. GY 83- DATE Nov. 12, 83

SHOT INTERVAL (DISTANCE) 50 m OR TIME — sec.

OFFSET 186m m PRIME NAVIGATION WINS

LINE NO. GMT-1 DIR. ____ DEG. CABLE TYPE SEI 24 Channel

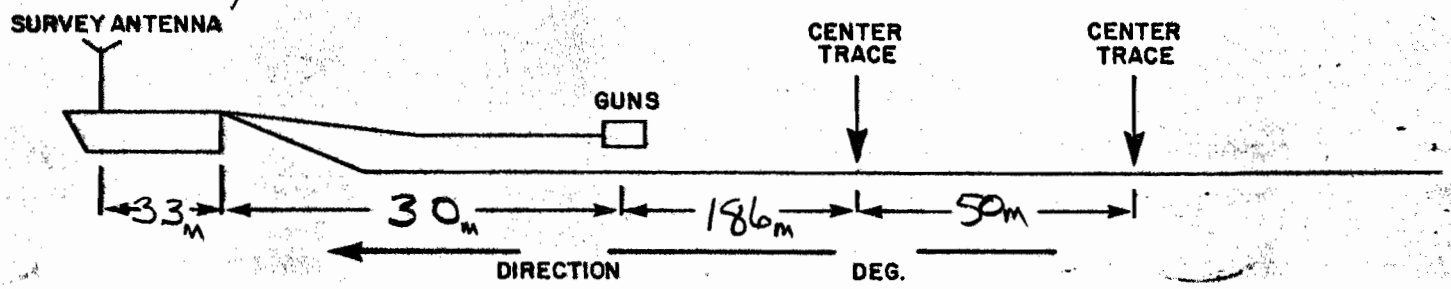
LOCATION ____ TRACE INT. 50m

SAMPLE RATE 4 MS. BPI 1600 SEG B FORMAT ✓

RECORD LENGTH 12 Sec EXTENDED HEADER START WORD ____

SOUND SOURCE 2000 cu. in. @ 2000 psi @ 10 m depth (m)

12 Fold CDP



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / (TFP)	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE
28	OUT	64		OUT	128	3		Rec/Deflect

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	112	317	GMT1		001	189	001	189	05:05	0626
1	113			229	190	374	190	374	0626	0745Z
2	114			228	375	439	375	439	0745	0814Z
1	115			232	440	625	440	625	0814	0931Z
2	116				710	902	710	902	10187	12047
1	117				903(695)	1088	903(695)	1088	12047	1329
2	118	** SEE LOG **			1089(695)	1276	1089(695)	1276	1329	14:50
1	119				1277	1461	1277	1461	14:50	16:11
2	120				1462	1648	1462	1648	16:11	17:34
1	121				1649	1680	1649	1680	17:34	17:54
2	122				1681	1744	1681	1744	?	1812

OBSERVER'S MARINE REPORT

VESSEL RV Gyre DATE 11-12-83 #1

Client USGS/Mattick Type Instrument DFS V Offset distance 186m

Area OCS Record filter Out/64 Group interval 50m

State Tx Sample rate 4ms Fold coverage 12

Observer Wise/Wells gun depth 30' in.³ of guns 2000

Tape Drive Pre-plot	Shotpoint	File No.	Time	#1 dir.	Cable Depth	W.D.	Reel No.	Line No.	Remarks
2	001	001	05:05	224°	7.8-8.6-9.8-10.2	22	112	GMT-1	All delays include .580 ms
2	059	059	05:30	225°	7.6-8.6-10.4-10.2	23	112		File #1 N/G
2	128	128	06:00	227°	8.0-8.8-10.0-10.2	23	112		DO/NZ ON WATCH, OBS: NZ
2	189	189	0626				112/113		TAPE CHANGE
1	197	197	0630	234°	8.0-8.8-10.0-10.2	23	113		TB = 10°
1	267	267	0700	230°	8.0-8.4-10.2-10.8	25	113		CHANNELS 1 AND 17 (DEAD) OFF SINCE BOL
									TB = ~~10°~~ 190°
1	337	337	0730	229°	8.0-8.4-9.8-10.4	26	113		TB = ~~10°~~ 190°
1	374	374	0745				113/114		TAPE CHANGE
2	375	375	0745						PARITY ERROR 97, FILE 375
2	408	408	0800	227°	8.2-8.6-10.2-10.4	28	114		TB = ~~5°~~ 185°
1	439	439	0814	232°			114/115		TAPE CHANGE DUE TO MISMOUNT
1	475	475	0830	230°	8.6-8.4-9.6-10.4	29	115		TB = ~~5°~~ 185°
1	544	544	0900	232°	8.4-8.4-9.8-10.4	27	115		TB = 190°
1	602	602	0924				115		air gun quit firing at
1	615	615	0931	237°	8.4-8.6-9.4-10.0	25	115		approximately File 598
2	713	713	1035				116		GUN STILL DOWN
2	764	764	1100	233°	8.2/8.8/10.2/10.2	28			air gun up, start = 713
2	830	830	1130	233°	8.4/8.6/9.6/10.4	29	116		ch 17 Killed TB = 185°
2	895	895	1200	237°	8.4/8.6/9.6/10.4	30	116		ch 15 Killed
									TB = 185°
									903 is 695 904 back
1	960	960	1230	234°	8.4/8.2/9.8/10.0	30	117		on gun
									TB = 190°
1	1028	1028	1300	231°	8.4/8.4/9.8/10.4	31	117		TB = 185°
2	1094	1094	1330	230°	8.4/8.8/9.6/10.4	33	118		File #1466 N/G write error
Watch change Wise/Wells									
2	1162	1162	14:00	236°	8.0-8.4-9.2-10.0	34	118		File #1493
2	1231	1231	14:30	233°	8.2-8.0-9.2-10.0	34	118		
1	1299	1299	15:00	232°	8.2-8.4-9.4-10.4	35	119		
1	1370	1370	15:30	231°	8.0-8.0-9.6-10.0	36	119		
1	1436	1436	16:00	229°	8.0-8.0-9.2-10.4	36	119		
2	1503	1503	16:30	229°	7.8-8.0-8.8-9.8	37	120		
2	1570	1570	17:00	233°	8.0-7.4-8.8-10.0	37	120		
2	1638	1638	17:30	229°	7.6-7.6-9.0-9.6	38	120		
		Restart			Line		121		SP # 1691 Missing
	1692		#1800				121/122		chg Tape
	1744	1744	1812				122		EOL GMT-1