

LINE: FR301-78  
S.P. 1 TO 402

TIME	WAVE	VELOCITY	TIME	WAVE	VELOCITY
0.00	1500	1500	0.00	1500	1500
0.05	1500	1500	0.05	1500	1500
0.10	1500	1500	0.10	1500	1500
0.15	1500	1500	0.15	1500	1500
0.20	1500	1500	0.20	1500	1500
0.25	1500	1500	0.25	1500	1500
0.30	1500	1500	0.30	1500	1500
0.35	1500	1500	0.35	1500	1500
0.40	1500	1500	0.40	1500	1500
0.45	1500	1500	0.45	1500	1500
0.50	1500	1500	0.50	1500	1500

TIME	WAVE	VELOCITY	TIME	WAVE	VELOCITY
0.55	1500	1500	0.55	1500	1500
0.60	1500	1500	0.60	1500	1500
0.65	1500	1500	0.65	1500	1500
0.70	1500	1500	0.70	1500	1500
0.75	1500	1500	0.75	1500	1500
0.80	1500	1500	0.80	1500	1500
0.85	1500	1500	0.85	1500	1500
0.90	1500	1500	0.90	1500	1500
0.95	1500	1500	0.95	1500	1500
1.00	1500	1500	1.00	1500	1500

TIME	WAVE	VELOCITY	TIME	WAVE	VELOCITY
1.05	1500	1500	1.05	1500	1500
1.10	1500	1500	1.10	1500	1500
1.15	1500	1500	1.15	1500	1500
1.20	1500	1500	1.20	1500	1500
1.25	1500	1500	1.25	1500	1500
1.30	1500	1500	1.30	1500	1500
1.35	1500	1500	1.35	1500	1500
1.40	1500	1500	1.40	1500	1500
1.45	1500	1500	1.45	1500	1500
1.50	1500	1500	1.50	1500	1500

TIME	WAVE	VELOCITY	TIME	WAVE	VELOCITY
1.55	1500	1500	1.55	1500	1500
1.60	1500	1500	1.60	1500	1500
1.65	1500	1500	1.65	1500	1500
1.70	1500	1500	1.70	1500	1500
1.75	1500	1500	1.75	1500	1500
1.80	1500	1500	1.80	1500	1500
1.85	1500	1500	1.85	1500	1500
1.90	1500	1500	1.90	1500	1500
1.95	1500	1500	1.95	1500	1500
2.00	1500	1500	2.00	1500	1500

TIME	WAVE	VELOCITY	TIME	WAVE	VELOCITY
2.05	1500	1500	2.05	1500	1500
2.10	1500	1500	2.10	1500	1500
2.15	1500	1500	2.15	1500	1500
2.20	1500	1500	2.20	1500	1500
2.25	1500	1500	2.25	1500	1500
2.30	1500	1500	2.30	1500	1500
2.35	1500	1500	2.35	1500	1500
2.40	1500	1500	2.40	1500	1500
2.45	1500	1500	2.45	1500	1500
2.50	1500	1500	2.50	1500	1500

TIME	WAVE	VELOCITY	TIME	WAVE	VELOCITY
2.55	1500	1500	2.55	1500	1500
2.60	1500	1500	2.60	1500	1500
2.65	1500	1500	2.65	1500	1500
2.70	1500	1500	2.70	1500	1500
2.75	1500	1500	2.75	1500	1500
2.80	1500	1500	2.80	1500	1500
2.85	1500	1500	2.85	1500	1500
2.90	1500	1500	2.90	1500	1500
2.95	1500	1500	2.95	1500	1500
3.00	1500	1500	3.00	1500	1500

TIME	WAVE	VELOCITY	TIME	WAVE	VELOCITY
3.05	1500	1500	3.05	1500	1500
3.10	1500	1500	3.10	1500	1500
3.15	1500	1500	3.15	1500	1500
3.20	1500	1500	3.20	1500	1500
3.25	1500	1500	3.25	1500	1500
3.30	1500	1500	3.30	1500	1500
3.35	1500	1500	3.35	1500	1500
3.40	1500	1500	3.40	1500	1500
3.45	1500	1500	3.45	1500	1500
3.50	1500	1500	3.50	1500	1500

TIME	WAVE	VELOCITY	TIME	WAVE	VELOCITY
3.55	1500	1500	3.55	1500	1500
3.60	1500	1500	3.60	1500	1500
3.65	1500	1500	3.65	1500	1500
3.70	1500	1500	3.70	1500	1500
3.75	1500	1500	3.75	1500	1500
3.80	1500	1500	3.80	1500	1500
3.85	1500	1500	3.85	1500	1500
3.90	1500	1500	3.90	1500	1500
3.95	1500	1500	3.95	1500	1500
4.00	1500	1500	4.00	1500	1500



44384  
 LINE: FR301-78  
 S.P. 1 TO 402  
 4800% DBS, TVF  
 ALL 8  
 SOUTH WEST



## AGIP

WESTERN GEOPHYSICAL  
COMPANY OF AMERICA

---

OFFSHORE  
ITALY

**RECORDING DATA**

**BOAT**

M.V. WESTERN SEA  
 PRIMARY NAVIGATION  
 SECONDARY NAVIGATION  
 MAP/SECTION LOCATION

**SOURCE**

AQUAPULSE  
 GUN DEPTH 8.1 M  
 NUMBER OF GUNS 8  
 POPS PER GUN 60  
 S.P. INTERVAL 50 M

**INSTRUMENTS**

AMPLIFIER LRS 880  
 FILTER 10 120HZ, 1800Z/OCT, 125HZ, 780Z/OCT  
 RECORD LENGTH 8 SECS  
 SAMPLE RATE 2 MS  
 FORMAT SEG C, 1800 OPT, 98 CH

**CABLE**

GROUPS 86  
 HYDROPHONES 20 PER GROUP, LINEAR ARRAY  
 GROUP LENGTH 25 M  
 GROUP INTERVAL 25 M  
 CABLE DEPTH 11 M

18.25M  
 2375M  
 219.77M

**SCALES**

HORIZONTAL 1:118, 700  
 VERTICAL 1:10 CM/SEC

**PROCESSING SEQUENCE**

**EDIT**

SUBSAMPLE TO 4MS S.P.

**D.B.S.**

TYPE WINDOW LENGTH MIN. PHASE INVERSE FILTER  
 1.1 3500 MS  
 LENGTH OF AUTOCORRELATION 180 MS  
 LENGTH OF OPERATOR 158 MS  
 MIN. PREDICTION LAG 4 MS  
 MAX. DATA-INCREASING ZONES 128 1524 MS

**W.D.**

4800% STAC

**TIME VARIANT FILTER**

TIME (SECS) F.C. INZ. ORDER H.  
 20 20 20 20 20 20 20 20 20 20  
 40 40 40 40 40 40 40 40 40 40  
 80 80 80 80 80 80 80 80 80 80  
 120 120 120 120 120 120 120 120 120 120  
 160 160 160 160 160 160 160 160 160 160  
 200 200 200 200 200 200 200 200 200 200

Filters are interpolated in time and space  
 times are specified at start of line  
 instantaneous gain control, applied

**COMMENTS**

DATA PLANE IS SEA LEVEL.  
 A GUN AND A CABLE CORRECTION OF 14 MS HAS  
 BEEN APPLIED. COMPRESSION PULSES RECORD AS  
 NEGATIVE NUMBERS ON TRACE AND PLOT AS TRAUCS  
 (WHITE) ON PLOTBACK.

**LEGEND**

INTERSECTIONS  
 W.D. WATER DEPTH  
 V.V. VELOCITY ANALYSIS

G.C. FOR W.G.C. *[Signature]*

---

LINE LOCATION MAP

-3  
LIRE 500

ALL LINES PREFIXED FR - 78  
UNLESS OTHERWISE STATED