



LINE A83-101
S.P. 540-100

SSW
DIRECTION OF SHOOTING

MIGRATED TIME SECTION

AGIP S.P.A.
SITE A.R43.AG
OFFSHORE ITALY

SP 167

TIME	VRS	INTV
0	1550	1550
100	1550	1727
300	1670	2537
695	1950	2136
930	2120	2537
1180	2300	2872
1600	2530	3348
1870	2680	3148
2390	3140	4414
3500	4050	5522
4405	4400	5550
6000	5200	6946

SP 267

TIME	VRS	INTV
0	1550	1550
100	1550	1869
600	1820	2587
980	2150	2587
1520	2470	2984
1870	2710	4445
2720	3350	3570
2900	3460	4026
3840	4000	5219
4970	4500	6042
6000	5000	6922

SP 407

TIME	VRS	INTV
0	1550	1550
100	1550	1768
540	1720	1962
790	1800	2225
1190	2050	2471
1630	2460	3225
2080	2870	4019
2300	3270	5544
2780	3770	5804
4050	4370	5589
4300	4450	5891
5270	5000	6931
6000	5400	7994

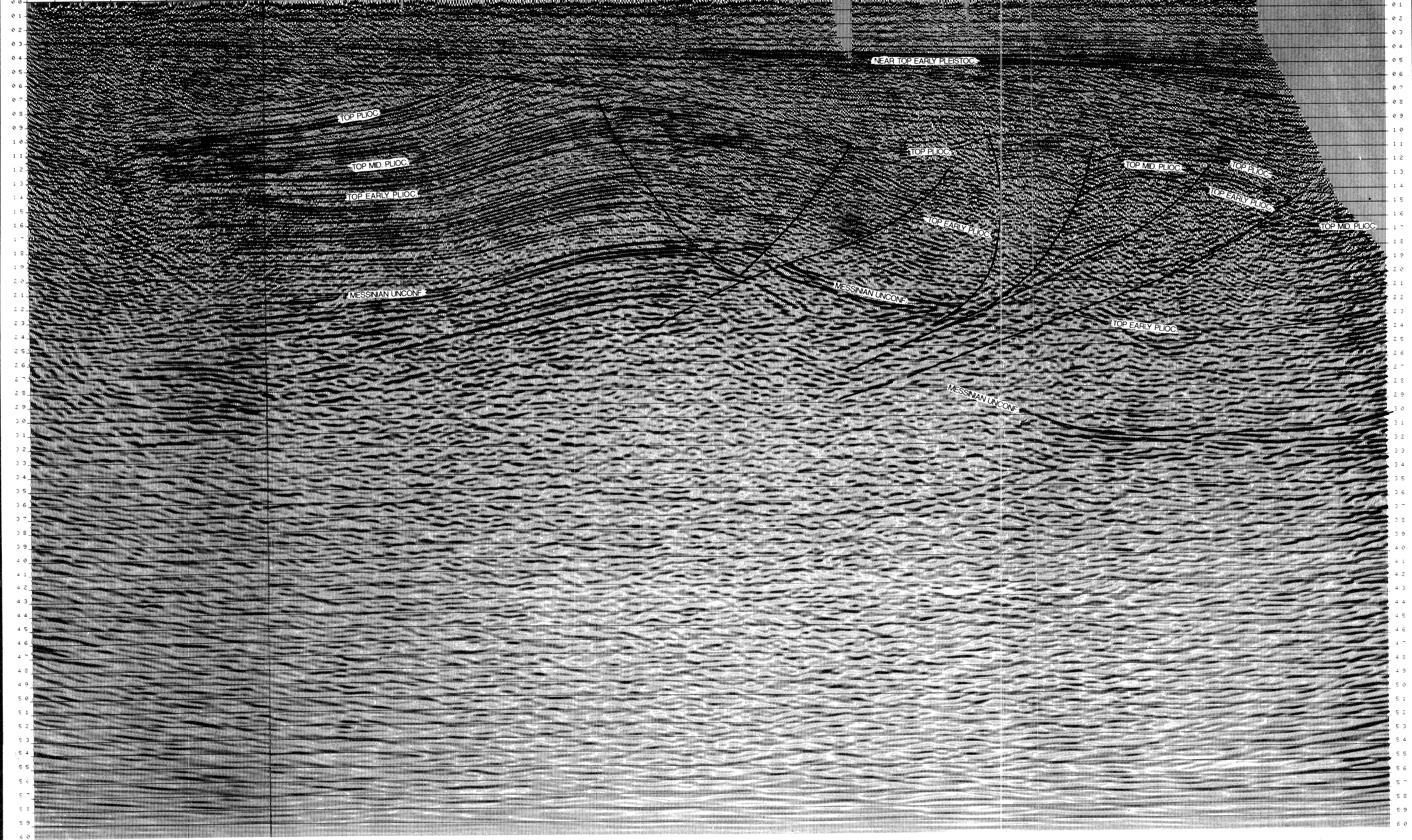
SP 527

TIME	VRS	INTV
0	1550	1550
100	1550	1829
530	1780	2082
800	1910	2434
1190	2050	2606
1730	2390	4138
3240	3320	5103
3940	3700	5411
5060	4140	7403
6000	4800	

ORIGINAL SP=1540

AR-140 SP 28484.0 AR-375 SP 86.3 AR-96 SP 28463.0 AR-139A SP 28334.8 AR-89 SP 284.6 AR-95 SP 48294.9 AR-341 SP 359.9 AR-86 SP 618.4 ORIGINAL SP=1100

AR-374 SP 68.5 AR-309.9 AR-139 SP 28311.3 AR-372 SP 828.1 ABO-03 SP 628.4 AR-88 SP 250.9 ABO-14 SP 424.8 ABO-02 SP 582.0 AR-381 SP 541.4 AR-93 SP 45141.9



SEFEL

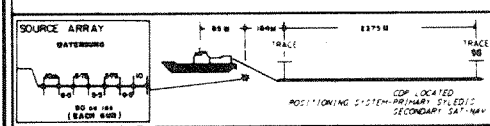
DATE PROCESSED	DEC 1983
REEL NUMBER	
CONTRACT NUMBER	5170032

FIELD RECORDING

RECORDED BY NORTHERN HORIZON HORIZON EXPLORATION LTD
DATE JULY 1983 SYSTEM DFS V
FORMAT SEG B 1800BT GAIN 17P
ENERGY SOURCE TYPE MATERIALS TOTAL VOLUME 640 CU LNS
ARRAY 8 GUNS SEE DIAGRAM DEPTH 4. M
STREAMER LENGTH 2400 M NO TRACES 96-TO DSSS
DEPTH AVERAGE 8 M GROUP INTERVAL 25. M
ARRAY 32 GEOPHONES OVER 25. M

PARAMETERS

RECORDING FOLD 48 S.P. SPACING 25M LINEAR
SAMPLE INTERVAL 2 MS RECORD LENGTH 6 SECS
RECORDING FILTER LOW 12HZ 1800/OCT HIGH 120HZ 7200/OCT



DIGITAL PROCESSING

SEQ	PROCESS	PARAMETERS
1	DEMULIPLX	80HZ ANTI-ALIAS FILTER AND RESAMPLE TO 4MS
2	SOFT	48 FOLD COP SORT
3	STATIC	30MS GUN DELAY REMOVED
4	DESIGNATURE	USING RECORDED SIGNATURE PHASE COMPENSATION ONLY TO MINIMIZE PHASE OUTPUT SPHERICAL DIVERGENCE COMPENSATION
5	GAIN	SEE BELOW
6	DECONVOLUTION	SENLANCE VARIABLE VELOCITY STACKS AND GATHERS EVERY 30M
7	VELOCITY ANALYSIS	48 FOLD CORRECTION NOTE
8	MWD AND MUTE	100% SECTION
9	EDIT	SEE BELOW
10	STACK	REC-LEG FILTER
11	DECONVOLUTION	CUT 100% 100% CUT TIME
12	TV FILTER	OFF PASS 75 APPLIED
		S 10 75 75 500
		S 10 65 70 500
		S 10 50 55 1000-1300
		S 10 40 55 1800
		S 10 30 45 2300
		S 10 30 35 2800-6000
13	EQUALIZATION	40MS 50MS OVERLAPPING WINDOWS
14	MIGRATION	30% VELOCITIES FINITE DIFFERENCE 30MS STEPS
15	EQUALIZATION	WHOLE TRACE EQUALIZATION
16	STATIC	40MS DATUM STATIC TO MSL
17	DISPLAY	VARIABLE GAIN 100% BIAS = -10% MAX EXCURSION

DECONVOLUTION

SEQ	OPERATOR	GAP LENGTH	DESIGN	APPLICATION	WHITE NOISE
6	180	B	NEAR 600-2500	WHOLE TRACE	3%
			FAR 2600-4500		3%
11	180	24	600-3000	WHOLE TRACE	1%

ALL TIMES IN MILLISECONDS ALL FREQUENCIES IN HERTZ
FILTERS AND DECONVOLUTION OPERATORS INTERPOLATED LINEARLY BETWEEN APPLICATION TIMES

SAMPLE RATE: 4MS DATUM CORRECTION: +6MS TO MSL
SCALES: HORIZONTAL 1:2500 VERTICAL 10CM/SEC
HORIZONTAL 1:2500 VERTICAL 10CM/SEC
RECORDING POLARITY: COMPRESSION IS NEGATIVE NUMBER ON TAPE
PROCESSING POLARITY: POSITIVE NUMBER GIVES BLACK PEAK

