Enclosure 1

LINE LS-83-03
S.P. 1 TO 530

LASMO SICILY
BLOCK CR 108
1983

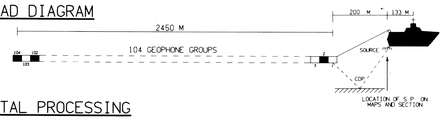
34 DEGREES → DIRECTION SHOT

FILTERED MIGRATION

FIELD DATA

DATA SHOT BY	- SEISMIC PROFILERS M V NINA PROFILER
DATE SHOT	- 14TH MAY 1983
RECORDING INSTRUMENTS	- DFS V
RECORDING FILTERS	- HIGH FILTER AND SLOPE 128 HZ 72 DB/OCT LOW FILTER AND SLOPE 5 3 HZ 18 DB/OCT
RECORDING POLARITY	- A POSITIVE PRESSURE AT THE GEOPHONE PRODUCES A NEGATIVE NUMBER ON TAPE AND A DOWNWARD DEFLECTION ON THE FIELD MONITOR RECORD
DIGITAL TAPE FORMAT	- SEG B 1600 BPI PHASE ENCODED
RECORD LENGTH/SAMPLE RATE	- 6 0 SECONDS AT 2 MILLISECOND SAMPLE RATE
ENERGY SOURCE	- 5460 CU IN AIRGUN ARRAY
TIMING DELAY	- 8 0 MILLISECONDS (TIME TO PRESSURE PEAK 15 MSEC)
SOURCE DEPTH	- 8 5 METRES AVERAGE
SOURCE TO ANTENNA DISTANCE	- 133 METRES
SHOTPOINT INTERVAL	- 25 METRES 1 POP PER SHOTPOINT
SHOTPOINT ANNOTATION	- SHOTPOINTS ANNOTATED AT SOURCE POSITION
CABLE LENGTH	- 2450 METRES 104 GROUPS NEAR 12 GROUPS 12 5 M FAR 92 GROUPS 25 M
CABLE DEPTH	- 8 0 METRES AVERAGE
GEOPHONES	- 10 IN NEAR GROUPS 20 IN FAR GROUPS
COVERAGE	- 49 FOLD 104 TRACE
PRIMARY NAVIGATION SYSTEM	- TRISPONDER
SECONDARY NAVIGATION SYSTEM	- SAT NAV / SONAR

SPREAD DIAGRAM



DIGITAL PROCESSING

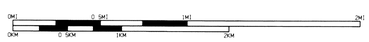
POLARITY CONVENTION	- THE POLARITY OF THE FIELD RECORDING WAS MAINTAINED THROUGHOUT THE PROCESSING AND DISPLAY
PROCESSING RECORD LENGTH	- 6 0 SECONDS
RESAMPLE	- MINIMUM PHASE RESAMPLE FROM 2 TO 4 MILLISECONDS
PROCESSING SAMPLE RATE	- 4 MILLISECONDS
STATIC CORRECTIONS	- SHOT AND STREAMER STATIC 12 MILLISECONDS TIMING DELAY 8 0 MILLISECONDS
ADJACENT TRACE MIX	- 2 ON 1 ON NEAR 12 TRACES
TRUE AMPLITUDE RECOVERY	- 4 0 DB PER SECOND FROM 0 TO 4 0 SECONDS SPHERICAL DIVERGENCE CORRECTION APPLIED
PRE DECONVOLUTION MUTE	- RAMP LENGTH TR 1 - 100 MSEC START 0 MSEC TR 98 - 100 MSEC START 2200 MSEC
VELOCITY FILTERING DESIGNATURE	- DIPS :10/-5 - OFFSET DEPENDANT MARINE WAVELET VERSION 4 FMIN=5 HZ FMAX=125 HZ HCSLOPE=72 DB/OCT LCSLOPE=18 DB/OCT
VELOCITY ANALYSIS	- USING 19 DEPTH POINT VELSCAN ANALYSES LOCATED 1 EVERY 1 0 KILOMETRE
EQUALISATION	- USING A 2000 MSEC GATE START TR 1 500 MSEC START TR 98 2500 MSEC
MULTIVELS	- 5 VELOCITY FUNCTION STACKS USED AS AN AID TO VELOCITY INTERPRETATION
NORMAL MOVEOUT CORRECTION	- USING ANNOTATED VELOCITIES
FIRST BREAK SUPPRESSION	- SEE TAPER ON
COMMON DEPTH POINT STACK	- 49 FOLD CDP STACK
FK MIGRATION	- WAVE EQUATION MIGRATION - WIDE ANGLE
DIPFILTER	- USING DIPS OF +/-5 MSEC/TRACE
TIME VARIANT FILTERING	- FREQUENCY (HZ) TIME (MSEC) 5 - 60 0 5 - 50 1000 5 - 40 2000 5 - 30 3000
DIGITAL GAIN CONTROL SCALING	- USING 512 MSEC GATES START TIME - 0 MSEC

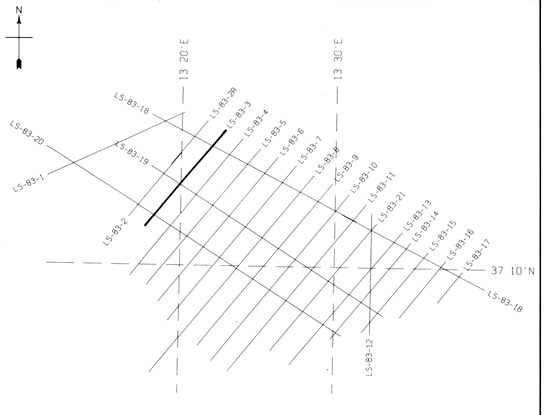
DISPLAY

HORIZONTAL SCALE	- 20 0 TR/CM 80 0 TR/KM
VERTICAL SCALE	- 10 0 CM / SEC
POLARITY	- NORMAL
TRACE TYPE . BIAS	- WTVAR 25 0 PERCENT
DATUM	- SEA LEVEL
DISPLAY UNIT	- 0 677333 CM

DISPLAY GAIN (INPUT)

CDP	ALL
GAIN DB	TIME MSEC
-87 0	0





LASMO BLOCK CR108

09 NOV 1983
10 06 01

PARTY 6720

GEOPHYSICAL SERVICE INTERNATIONAL
(A DIVISION OF TEXAS INSTRUMENTS LTD)

PROCESSING CHECKED BY -

CDP SPN	1106 NUL		
TIME MSEC	VRMS MT/SEC	INTVEL MT/SEC	
345	1480	1480	
373	1581	1698	
584	1665	1958	
1355	1708	1809	
1503	1779	2341	
1634	1802	1940	
1826	1817	2096	
1913	1894	3414	
2149	2119	3612	
2488	2376	2574	
2855	2408	3546	
3161	2632	3981	
3951	2832	3584	
6000	3109		

CDP SPN	1186 41		
TIME MSEC	VRMS MT/SEC	INTVEL MT/SEC	
239	1480	1480	
700	1647	1727	
855	1668	1958	
1278	1730	1809	
1491	1860	2059	
1700	1878	2461	
1852	1894	3104	
2002	2010	2741	
2182	2080	3653	
2500	2380	3580	
2715	2408	4068	
3148	2629	3650	
4043	3152	3493	
6000			

CDP SPN	1266 81		
TIME MSEC	VRMS MT/SEC	INTVEL MT/SEC	
0	1480	1480	
177	1480	1693	
661	1638	1799	
856	1676	2048	
1186	1787	2445	
1439	1919	2501	
1586	1992	2972	
1850	2035	2972	
2070	2154	2974	
2288	2245	4202	
2600	2560	5706	
2915	3060	4576	
3340	3310	3882	
4043	3297	3051	
6000			

CDP SPN	1346 121		
TIME MSEC	VRMS MT/SEC	INTVEL MT/SEC	
148	1480	1480	
619	1480	1649	
806	1712	2046	
1025	1805	2083	
1388	1954	2324	
1818	2052	2586	
1800	2050	2111	
1960	2055	2163	
2131	2081	2786	
2470	2180	2950	
2813	2301	3396	
3198	2457	3193	
3990	2661	3408	
6000	2905		

CDP SPN	1426 161		
TIME MSEC	VRMS MT/SEC	INTVEL MT/SEC	
0	1480	1480	
527	1480	1731	
762	1693	1803	
956	1825	2235	
1219	2016	2529	
1480	2067	2441	
1659	2256	2749	
1887	2260	2944	
2182	2364	3824	
2524	2610	3928	
2742	2738	3680	
3146	2873	3584	
3985	3033	3550	
6000	3218		

CDP SPN	1506 201		
TIME MSEC	VRMS MT/SEC	INTVEL MT/SEC	
0	1480	1480	
459	1480	1893	
816	1771	2417	
1126	1970	2363	
1443	2140	2529	
1644	2236	2700	
1796	2278	4202	
1920	2496	3292	
2123	2579	3510	
2432	2715	3784	
2903	2915	3895	
3198	3039	4166	
3990	3227	3940	
6000	3511		

CDP SPN	1586 241		
TIME MSEC	VRMS MT/SEC	INTVEL MT/SEC	
60	1480	1480	
605	1480	1797	
761	1745	2223	
898	1949	2126	
1254	2370	3295	
1499	2376	2760	
1752	2435	3008	
1968	2694	3209	
2180	2581	4234	
2390	2769	3761	
2895	3107	3906	
4233	3193	3699	
6000	3347		

CDP SPN	1666 281		
TIME MSEC	VRMS MT/SEC	INTVEL MT/SEC	
60	1480	1480	
332	1654	1717	
557	1804	2011	
810	1920	2247	
1088	2084	2681	
1310	2290	3174	
1517	2455	2827	
1752	2528	3535	
2116	2725	3133	
2478	2785	3199	
2731	2870	3148	
3283	3005	3464	
6000	3384	3979	

CDP SPN	1746 321		
TIME MSEC	VRMS MT/SEC	INTVEL MT/SEC	
0	1480	1480	
114	1480	1586	
339	1651	2059	
462	1761	2457	
650	1950	2580	
1002	2192	2982	
1239	2358	3312	
1517	2484	3632	
1813	2637	3271	
2081	2785	3494	
2437	2861	3461	
2774	2946	3309	
3084	3001		
3980	3176		
6000			

CDP SPN	1826 361		
TIME MSEC	VRMS MT/SEC	INTVEL MT/SEC	
0	1480	1480	
122	1480	1632	
322	1576	2186	
469	1782	2477	
705	2041	3123	
921	2340	2864	
1248	2417	3264	
1630	2526	2722	
1849	2550	2969	
2076	2599	2700	
2351	2611	3421	
2774	2715	3053	
3084	2952	3536	
6000	3146	3484	

CDP SPN	1906 401		
TIME MSEC	VRMS MT/SEC	INTVEL MT/SEC	
60	1480	1480	
331	1632	1882	
495	1850	2228	
729	2008	2837	
1008	2257	3330	
1288	2508	3421	
1576	2698	3643	
1901	2860	3986	
2134	2874	3466	
2487	2964	3614	
2801	3045	3490	
3110	3248	3747	
6000	3433	3776	

CDP SPN	1986 441		
TIME MSEC	VRMS MT/SEC	INTVEL MT/SEC	
0	1480	1480	
157	1480	1593	
370	1628	2117	
466	1808	2243	
753	2015	3108	
897	2115	2966	
1217	2324	3503	
1499	2462	3226	
1848	2643	3120	
2104	2620	2966	
2407	2695	3325	
2657	2771	3025	
3041	3076	3921	
6000	3311	3720	

CDP SPN	2051 481		
TIME MSEC	VRMS MT/SEC	INTVEL MT/SEC	
116	1480	1480	
245	1617	1550	
456	1769	2001	
642	2028	2573	
838	2113	2750	
1098	2128	2347	
1364	2171	3220	
1860	2500	3980	
2128	2545	3496	
2508	2713	3609	
2804	2782	4418	
3088	3147	3675	
6000	3313	3620	

FILTERED MIGRATION
LINE LS-83-03
S.P. 1 TO 530
LASMO SICILY
BLOCK CR 108
1983