All.3

CGG - DATA PROCESSING CENTER
1, rue Léon Migaux
91341 Massy Cedex
FRANCE

Agip

SICILY CHANNEL C.R93.RI

LINE :C90-GEN-144-155 WL

SW 100 — SHOT POINTS — 877 NE

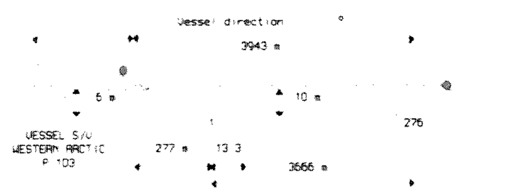
TIME MIGRATION

127 M6 65 — PL : 54 MR

NOVEMBER 1990

FIELD RECORDING

VESSEL	WESTERN ARCTIC P 103	ENERGY SOURCE	AIRGUN
Contractor	WESTERN	Capacity	3840 cu in.
Recording date	06-90	Pressure	1800 PSI
Navigation system	SYLEDIS	Depth	6 m
		SP interval	20 m
INSTRUMENTS	LRS 16	CABLE	3666 67 m
Format	SEG D - 9 tracks 6250 BPI	Depth	10 m
Filters	H C 128 Hz 120 dB/oct	Offset	277 m
	L C 5 Hz 18 dB/oct	Groups	276
Sampling interval	2 ms	Group interval	13 33 m
Recording length	6 s	Hydrophones	6/trace



PROCESSING

Processing length 5 s
Sampling interval 2 ms

SEQUENCE

Reformating		Stack 9200%	
True amplitude recovery	(PAM)	Optimal wide line stack	
Prefilter	7/82 Hz	investigation dips	-4/+3
Source and cable corrections		total WLP stack dips	-3/+2
TAU-P domain transform		inline dips	-3/+3
Predictive deconvolution		lat trace smoothing	21
Operator length	240 ms	Time migration	(FX domain)
Gap	28 ms	Time 0 ms	95% stack vel
Window	300 - 2000 ms	Time 1000 ms	90% stack vel
Scaling		Time 6000 ms	80% stack vel
T-X domain return	(output of 92 tr/SP)	Time variant filter	
Velocity analysis	(1 ANU/T/1 0 km)	12/55 Hz	0 - 300 ms
3D Gridding		10/50 Hz	600 -1000 ms
Shots and receivers datuming down		8/40 Hz	1200 -1800 ms
Receivers and shots datuming UP		8/30 Hz	3000 -5000 ms
Space variant mute		Trace equalization	
NMO corrections		L 200 ms	0 - 800 ms
		L 800 ms	1000 - 5000 ms
		Display by laser plotter	

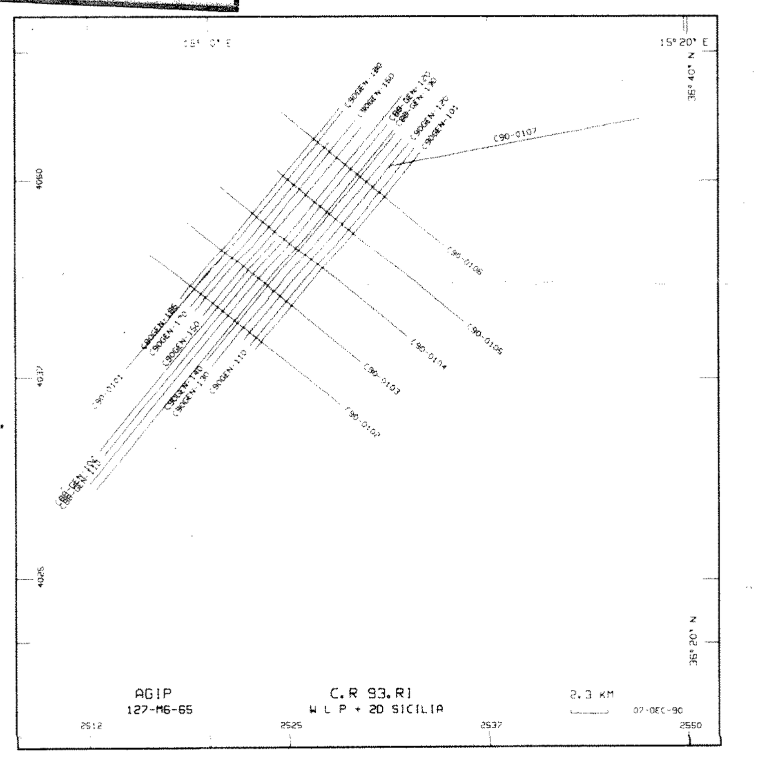
POLARITY

MAIN LOBE OF SYMMETRICAL SIGNAL - BLACK - POSITIVE REFLECTION COEFFICIENT - POSITIVE INCREASE OF IMPEDANCES
LITHOLOGICAL POLARITY

TIME ORIGIN

MEAN SEA LEVEL

DISPLAY PARAMETERS

Horizontal scale : 1 : 25000
Vertical scale : 1 s = 5 cm
50 traces = 1 km

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