

TEXACO NETHERLANDS INTERNATIONAL INC.

OFFSHORE SICILY: PERMIT CR-119-TX

CR-119-TX-4

S.P.: 340 - 540

FILTERED STACK SECTION
SIGNATURE DECONVOLUTION

N.E. (52 DEGS)

RECORDING PARAMETERS

RECORDED BY	GECO	DATE	NOV 1985
BOAT	M/V GECO RHO		
INSTRUMENTS	DSSV/DFSV/NORD 120	GAIN TYPE	1.F.P
LOW CUT FILTER	3.SHZ.180B/OCT	HIGH CUT	120HZ.720B/OCT
SAMPLE RATE	2MS	RECORD LENGTH	5 SECS
SHOT INTERVAL	25M.	FOLD	60
SOURCE	AIRGUNS	TOTAL VOLUME	6276 CU INS.
PRESSURE	2000 PSI	GUN DEPTH	10.0M
STREAMER TYPE	DIGITAL	STREAMER DEPTH	10M.+/-1
NUMBER OF GROUPS	120	GROUP INTERVAL	25.0M
HYDROPHONES/GROUP		SOURCE DELAY	0 MS.
PRIMARY NAVIGATION	SYLEDIS	SECONDARY NAV	SAT. NAV
FIELD TAPE FORMAT	SEGO 8048	TAPE DENSITY	6250 BPI
RECORDING POLARITY	COMPRESSION WAVE RECORDED AS NEGATIVE NUMBER ON TAPE		

SOURCE-RECEIVER PATTERN

ANTENNA	SOURCE	1	2	119	120
*	*	X	X	X	X
<-159.60M-> <-115.0M-> <-2975.0M->					

PROCESSING PARAMETERS

PROCESSED 60 FOLD CDP STACK PROCESSING SAMPLE RATE 4 MS
 REFORMAT AND EDIT
 MINIMUM PHASE ANTI-ALIAS FILTER APPLIED. CUT OFF 90 HZ. 720B/OCT
 RESAMPLE FROM 2MS. TO 4MS.
 GAIN REMOVAL: EXPONENTIAL GAIN RATE: +3 DB. FROM 0.0 SECS TO 3.0 SECS
 SIMULATED LONG AIRGUN AND RECEIVER ARRAY PROCESSING:
 USING 5 TRACES IN EACH DOMAIN
 OFFSET DEPENDENT, SHOT BY SHOT, STATISTICAL SIGNATURE
 (ZERO PHASE OUTPUT)
 DESIGN GATES: NEAR TRACE: 0.5 - 3.2 SECS.
 FAR TRACE: 2.5 - 4.5 SECS.

60 FOLD CDP GATHER
 SPHERICAL DIVERGENCE CORRECTION
 DECONVOLUTION BEFORE STACK: TYPE:GAPPED LENGTH: 200 MS OP +48MS GAP
 NEAR TRACE 0.5 - 3.2 SECS
 FAR TRACE 2.5 - 3.7 SECS

DYNAMIC CORRECTIONS:
 VELOCITY CORRECTIONS USING PARAMETERS FROM DIGICON'S VELOCITY
 ANALYSES LOCATED EVERY KILOMETRE
 NORMAL MOVEOUT CORRECTION AND NMO STRETCH SUPPRESSION
 60 FOLD CDP STACK
 SHOT AND STREAMER STATIC CORRECTION: +14 MSEC
 NEAR SURFACE 'CHEQUERBOARD' NOISE ATTENUATION USING DIGICON'S REMOVE
 DECONVOLUTION AFTER STACK: FILTER LENGTH: 200 MS. GAP LENGTH: 16 MS.
 DESIGN GATE: 0.3 - 3.0 SECS.
 AUTOCORRELATIONS AVERAGED OVER 31 TRACES

TIME VARIANT DIGITAL BAND PASS FILTER:
 TIME (SECS): FREQUENCY HZ
 0.0 - 0.8 15 - 60
 1.3 10 - 50
 1.7 8 - 45
 2.0 8 - 40
 3.0 - 5.0 8 - 35

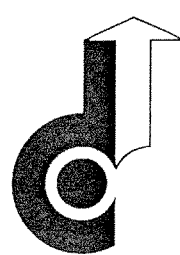
TIME VARIANT EQUALIZATION
 PRE-DISPLAY GAIN: -6DB 2.5 - 5.0 SECS

DISPLAY PARAMETERS

POLARITY CONVENTION: NEGATIVE NUMBER ON TAPE DISPLAYED AS TROUGH (WHITE)
 HORIZONTAL SCALE : 1:25.000 PARTY CHIEF : NJH
 VERTICAL SCALE : 10 CM/SEC
 DATE : JULY 1988 BID NUMBER : 6631
 PLOTTED ON SEISCHROME LASER 300 DPI. 50% OVERLAP

KILOMETRES

0.0 0.5 1.0 1.5 2.0



DIGITAL EXPLORATION LIMITED,
EAST GRINSTEAD,
SUSSEX, RH19 4HG.
ENGLAND.

PROCESSED ON A VAX 11/780 USING DIGICON'S PROPRIETARY DISCO SOFTWARE.

TIME	VRMS	VINT
0	1490	1490
71	1585	1642
303	1517	1532
869	1596	2413
1199	2526	3600
1259	5497	3106
1457	2526	3600
1897	2514	3592
1947	3536	5195
2256	2687	5452
1619	3001	5231
3295	4443	6361
3395	4792	6342
3739	5671	6524
4981	5641	7068

