



SANT ARSENIO
LINE TX-403-95
PROJECT 418971
SP' S 101.5-637.5
CAMPANIA ITALY

FINAL STACK
NORMAL POLARITY
VEL. 3500 M/SEC DATUM 400 M

FIELD PARAMETERS
ACQUIRED FOR: TEXACO
SHEET BY: GEOTECNIA PARY 1
DATE RECORDED: JUNE 26 - JULY 25, 1995
INSTRUMENT CHANNELS: SEISCEL 38 368 LNU
FIELD FILTERS: 0(18) - 178(72) Hz (dB/OCT) NOTCH OUT
GEOPHONE TYPE: 12 IN LINE OVER 25 M
GEOPHONE ARRAY: SHOT HOLE & MINI HOLE
ENERGY SOURCE: 2000-3000 Hz
HOLE DEPTH: 2665.4408 M
SAMPLE INTERVAL: 3.733333333 SEC
DATA LENGTH: 1.5-27 M
CRISP INTERVAL: 1-20 SEC
SOURCE INTERVAL: 8 SECONDS
NORMAL SPREAD DIMENSIONS: 50 M
3012.5M-37.5M-SP-37.5M-3012.5M

PROCESSING SEQUENCE
FORMAT CONVERSION FROM SERCEL TRACE SEQUENTIAL SEG-0 8015
PAD ALL RECORDS TO 240 CHANNELS FOR FIRST BREAK PICK TRANSFER TO DATABASE
RECONSTRUCT CHANNELS
AntiAlias Filter Used
MULTI MINI-HOLE SHOTS DIVERSITY STACKED
Removable 400 msec AGC Used
GEOMETRY APPLICATION FROM GREEN MOUNTAIN GEOSCOPE I
Field Grid ASCII File Used as Input to Geoscribe
GREEN MOUNTAIN REFRACTION STATICS DERIVATION
Time Term Method = 2 Layer Cosine
V₀ = 5000 m/sec V₁ = 3500 m/sec
CDP SORT
TRACE EDITS - STATION KILLS
MINIHOLE SHOTS DISCARDED BETWEEN SPS 293-592
GAIN CURVE - T+2.5
FIRST BREAK PRE-MUTE
MINIMUM PHASE PREDICTIVE DECONVOLUTION
160 msec Operator = 48 msec Predictive Length
14 Prewhitening = 3 Windows
OFFSET = 21.77
START = 2531.77 END = 2622.37
START = 4305.85 END = 6245.85
OFFSET = 3016.5
START = 1253.47 END = 3003.32
START = 2631.23 END = 4297.47
START = 4394.24 END = 6325.58
500 msec AGC
Center Application Point
SURFACE WAVE NOISE ATTENUATION
Approximate Velocity of Ground Roll = 1000 m/sec
Attenuated Noise From 0-15 Hz
STATICS TO PROCESSING DATUM
Mean Static Method (No Large Shifts)
VELOCITY ANALYSIS
Whole Line CV Stacks - 30 Velocity Panels - Every Other CDP
SURFACE CONSISTENT RESIDUAL STATICS
Max Power = 6 msec Maximum Static Shift
6 Iterations - Convergence Factor 0.05
Window: 0.20-3.20 sec
Derived from FxDecon Enhanced Data
ANALYSIS FOR INITIAL MUTE BY STACK TESTS
Change the Near then the Far Mute Times
VELOCITY ANALYSIS
Whole Line CV Stacks - 30 Velocity Panels - Every Other CDP
NORMAL MOVEOUT CORRECTION
FIRST BREAK MUTE
CDP 200-400
OFFSET = 120.0 TIME = 0.0 CDP 490: 0.0 TIME = 0.0
OFFSET = 120.0 TIME = 0.0 CDP 500: 120.0 TIME = 60.0
OFFSET = 3012.5 TIME = 1800.0 CDP 510: 3012.5 TIME = 650.0
CDP 760: 0.0 TIME = 0.0 CDP 800: 1000.0
OFFSET = 120.0 TIME = 0.0 CDP 810: 120.0 TIME = 0.0
OFFSET = 120.0 TIME = 160.0 CDP 820: 120.0 TIME = 160.0
OFFSET = 3012.5 TIME = 750.0 CDP 830: 3012.5 TIME = 1400.0
CDP 840: 120.0 TIME = 0.0
OFFSET = 120.0 TIME = 0.0
OFFSET = 120.0 TIME = 160.0
STATICS TO FLAT DATUM
Dat = 400 m Relatiment Velocity = 3500 m/sec
SURFACE CONSISTENT RESIDUAL STATICS
Max Power = 6 msec Maximum Static Shift
6 Iterations - Convergence Factor 0.05
Window: 0.20-3.20 sec
Derived from FxDecon Enhanced Data
CDP TRIM STATICS
8 msec Maximum Static Shift - From FxDecon Model Section
Traces that Could Not Correlate Within Limits Were Dropped
Window: 0.0-6.0 sec
TIME VARIANT FXDECON NOISE SUPPRESSION
Data on 15 Common Offset Parallel Stacks
15 Trace Design - 7 Trace Filter
2000 msec Windows - Frequencies: 6-60 Hz
STACK - 60 FOLD
Square Root Fold Compensation
DENOISE FILTER
4/9-45/30 Hz
SURFACE WAVE NOISE ATTENUATION
Approximate Velocity of Ground Roll = 450 m/sec
Attenuated Noise From 0-20 Hz
TIME VARIANT FXDECON NOISE SUPPRESSION
15 Trace Design - 7 Trace Filter
2000 msec Windows - Frequencies: 6-60 Hz
1:1 Add-Back with non-FxDecon Data
SCALING
Windows Following Processing Datum
0.2-0.6 sec
0.2-0.6 sec
1.0-2.0 sec
0.2-0.6 sec
0.2-0.6 sec
0.2-0.6 sec
0.2-0.6 sec

DISPLAY PARAMETERS
Fri Mar 15 10:09:20 1996 Static Shift = -828
Traces/Channel/Line = 10 Cmp/Line/Stack = 10
Bias Percent = 0 Cmp Limit = 2.32666
Gain Set = 0.5 Cmp Gain = 1.22666
Gain Constant = 815.223

