



WENTU 1744454#

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British Gas International BV
TORRENTE NURE
PC-342-83
SP: 100-334
TVF STACK
VERSION #2



FIELD PARAMETERS

Recorded by SIAO S.p.A.
Recording date September 1993
Recording system 1240-10 dB/Oct
Lowcut filter 128Hz-12 dB/Oct
Highcut filter 50 Hz
Sample Rate 2 ms
Record length 7000 ms
Energy source Dynamite
Source depth 15-40 m
Source charge 5-20 kg
Average SP interval 90 m
Geophone type S144 U
Geophone frequency 10 Hz
Geophone Pattern Rectangular
Geophone Group 55 m
Group length 30 m
No of channels 60

SPREAD CONFIGURATION
S-----SP-----60
S85-----S85

PROCESSING SEQUENCE

SEG-Y INPUT
Processing trace length6000 ms
Processing sample rate4 ms

GEOMETRY AND ASSIGNMENT
CDP bin spacing15 m

STATICS RECOMPUTATION
MethodDromocrone
Datum plane000 m
Replacement velocity2300 m/s

MINIMUM PHASE CORRECTION
Filter designed by instrument pulse trace

SPHERICAL DIVERGENCE CORRECTION
Using single time variant inversion decay function

BAD TRACE EDITING

ARRAY SIMULATION
Weighted trace mix3
Number of traces3

MINIMUM PHASE DECONVOLUTION
TypePredictive
Operator Length(s)160-160 ms
Prediction lag(s)16-16
White Noise level(s)1-4 %
Number of windows2

VELOCITY ANALYSIS
Semblances, CDP's and Multy Velocity Stacks
every 1500 m

FX DECONVOLUTION
Applied on into corrected common offset domain
Feedback 50%

TVF FILTER
1/2/24 - 60/72 Hz dB/Oct.....1000 ms
1/2/24 - 60/72 Hz dB/Oct.....2000 ms
1/2/24 - 60/72 Hz dB/Oct.....4000 ms

FK FILTER
Performed on shot gather
600-1500 m/s rejected

SURFACE CONSISTENT RESIDUAL STATICS

VELOCITY ANALYSIS
Semblances, CDP's and Multy Velocity Stacks
every 750 m

DIP SCAN STACK
Applied on into corrected common offset domain
Feedback 75%

DIP MOVE OUT
FK DMO on common offset gathers

FINAL VELOCITY ANALYSIS
Continuous velocity analysis

NORMAL MOVE-OUT CORRECTION
Top mute for removing stretched and refracted signals

CDP STACK

S/N ENHANCEMENT
Prediction window length 400 ms
Horizontal length 10 trs

RMS GAIN
On windows based

TVF FILTER
10-14-60-70 Hz.....1000 ms
8-10-30-38 Hz.....5000 ms

Processed by GEOSYSTEMMarch 2003
Web site.....www.geosystem.net

DISPLAY PARAMETERS

Thu Apr 3 11:38:54 2003
Traces/Centimeters = 8.3333
Bias Percent = 0
Gain Set = 0.65
Gain Constant = 650

Static Shift = -400
Centimeters/Second = 10
Clip Limit = 4
RMS Amplitude = 1

